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U.S. Department of Agriculture
Washington, D. C.
J.F. NOLL & CO. INC.

115 MULBERRY STREET,
NEWARK, N.J.

Catalogue of
SEEDS, PLANTS,
BULBS

POULTRY SUPPLIES
1912



GOLDEN SELF-BLANCHING
CELERY



SELECTED STONE TOMATO



DETROIT DARK RED BEET

NOLL'S NEW EARLY
SWEET CORN

D.M.C.

Newark, N. J., January 1, 1912.

To Our Customers :

We wish to express our sincere thanks for your liberal patronage, and we trust we will merit your confidence in the future. We regret to state, the past season has been the worst in the last twenty-five years for growing seed crops and a few varieties have been almost total failures. However, we have quite a quantity of these varieties on hand and expect to fill all orders received, but if unable to do so, we will inform you of the fact. We do not substitute.

Thanking you in advance for your valued patronage, we beg to remain,
Respectfully,

J. F. NOLL & COMPANY, Inc.

Our terms are always cash with order or satisfactory New York or Philadelphia references.

How to Remit. You can send your remittance at our risk by Post Office or Express Money Order, New York or Chicago Draft, or by registered letter. We cannot hold ourselves responsible for cash sent loose in letters.

Be sure to sign your name and give your full address on every order you send us. We frequently receive orders without name or address. If you do not hear from your order in a reasonable time write us fully, giving date of mailing, how you remitted and copy of order sent. We will try to trace it.

Free by Mail or Express prepaid. We deliver at prices quoted all packets and ounces, $\frac{1}{4}$ pounds, pounds, pints and quarts, except quarts quoted at express prices. We do not deliver $\frac{1}{2}$ pecks, pecks, bushels and barrels, or grass seeds at pound prices except where quoted at postpaid prices. At express or freight prices we deliver at freight or express station in Newark, making no charge for bags, boxes or barrels, and guarantee all orders shall reach our customers in good condition.

Give full directions on all orders to be shipped by freight or express. Give your post office, also your freight or express office, county and state and advise us whether you wish goods shipped by freight or express.

Please order as early as you conveniently can. We aim to fill all orders promptly. Should there be any cause for delay we will write you stating when we expect to forward.

Please use order sheet inclosed in this catalogue in making out your order, as it facilitates our work. We will furnish you as many extra order sheets as you can use.

Guarantee. We give no warranty, expressed or implied, as to description, purity or productiveness or any other matter of any seeds, plants or bulbs we send out, and will not be in any way responsible for the crop. If purchaser does not accept the goods on these terms they are to be returned at once. There are many reasons why seeds do not always turn out as desired, such as sowing too deep or too shallow, in too wet weather, cold weather or too dry soil, or too wet soil, insects which not only destroy the seeds but often the young plants about the time they appear at the surface of the ground. For these causes we cannot guarantee seeds or the crop.

J. F. NOLL & CO., INC.

Newark, N. J.

January 1st, 1912.

VEGETABLE SEEDS

ASPARAGUS

CULTURE.—To grow roots from seed, soak seed in warm water and plant in April or May in drills 1 foot apart and about 2 inches deep. One-year-old roots can be transplanted in beds where they can remain for many years. One ounce of seed will sow 75 feet of drill.

Early French Giant. One of the finest varieties to grow. Large, succulent and tender. **Pkt. 10c., ¼ lb. 40c., lb. \$1.50.** Two-year-old roots. **Per 100 \$2.00,** by mail postpaid. By express not prepaid: **Per 100 \$1.50, per 1000 \$10.00.**

Barr's Philadelphia Mammoth. A good market sort. Large and tender

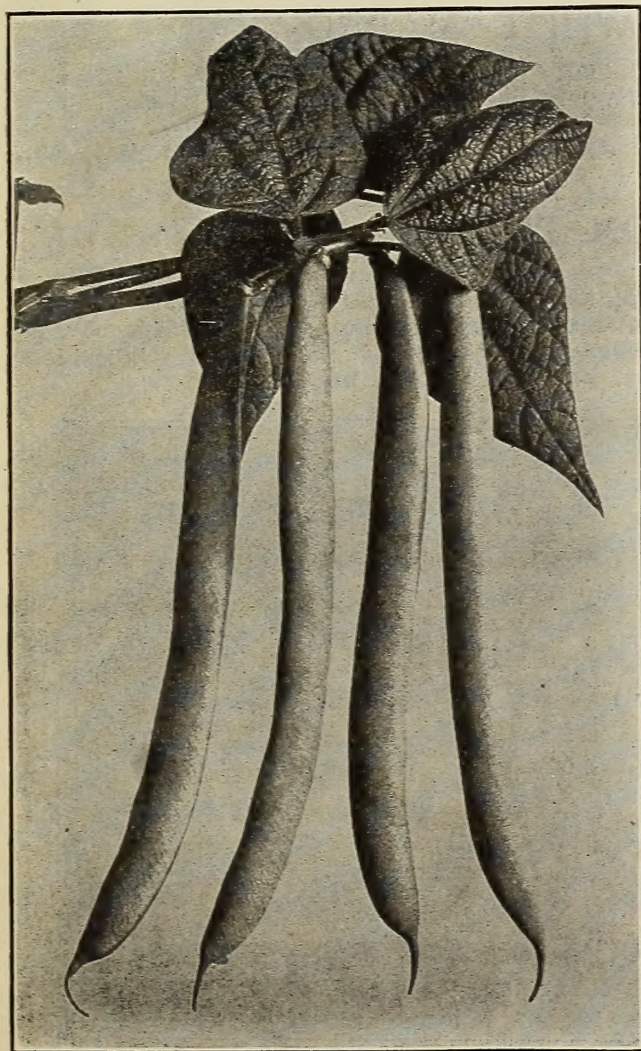
Palmetto. One of the most popular sorts grown. Very desirable.

Conover's Colossal. An old but standard sort.

Columbian Mammoth White. The best of the white sorts.

Price of any of the above 4 varieties. **Pkt. 5c., oz. 10c., ¼ lb. 20c., lb. 60c.** Two-year-old roots of any of the above 4 varieties. **\$1.50 per 100,** by mail postpaid. By express not prepaid: **\$1.00 per 100, \$6.00 per 1000.**

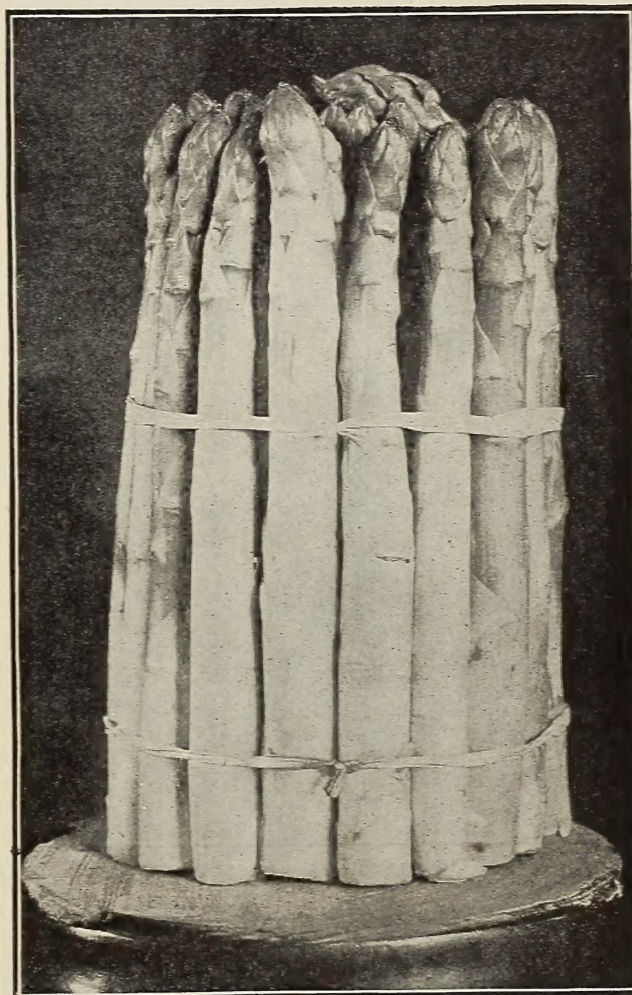
Asparagus Roots. Best results are obtained by planting 2-year-old roots. Set them out in April or May, or in the South in the Fall, about October, in soil well drained and very rich. Dig trenches about 15 inches wide and about 18 inches deep, set the roots from 15 to 18 inches apart and keep the rows 4 to 5 feet apart. Be careful to spread the roots carefully and put about 3 or 4 inches of manure in bottom trench; cover this with 2 or 3 inches of soil, then place roots on top of this, and cover them with 3 or 4 inches of soil.



KING OF THE EARLY BEAN

BEANS

DWARF GREEN- PODDED



EARLY FRENCH GIANT, OR ARGENTEUIL ASPARAGUS

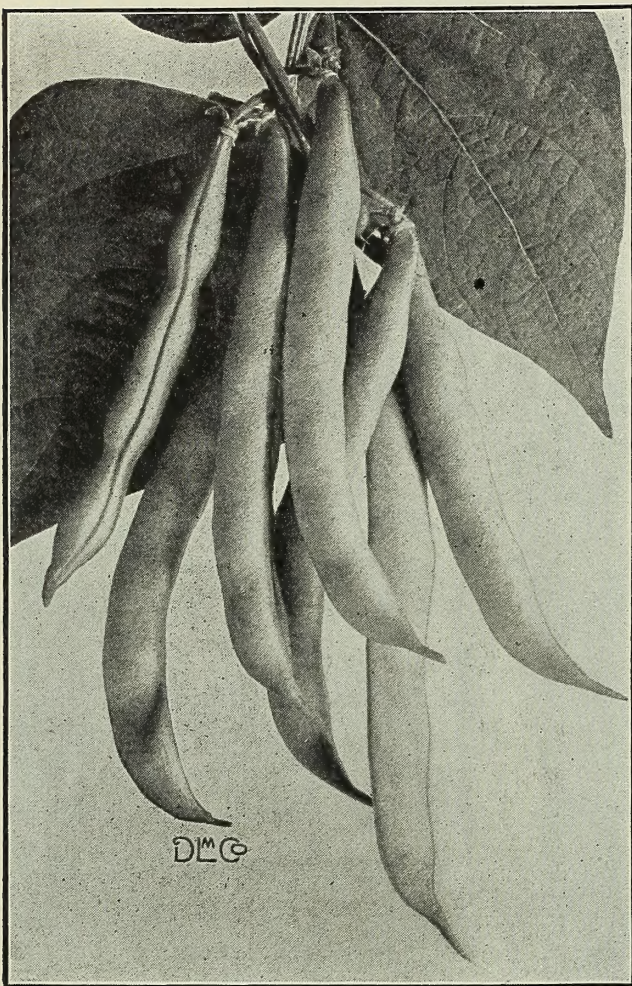
CULTURE.—Plant early in the Spring as soon as ground is dry and warm and continue planting every 10 days or 2 weeks for a continuous crop, until about 6 weeks to 2 months before frost is usually expected. Beans do best in good, rich soil; ground should be in good condition. Plant in rows 2 to 3 feet apart, leaving plants 2 to 4 inches apart in the rows. Cover Beans about 2 inches deep. One quart will plant 100 feet of row; one and one-half to two bushels per acre.

KING OF THE EARLY

This variety can be planted fully a week earlier than any other green Bean, as the dry Bean will stand considerable cold wet weather, while other varieties at the same time will rot in the ground. The main feature of this Bean is its earliness. The pods are usually ready to pick at least five days ahead of Red Valentine, and are a beautiful green color, extra long, almost straight, round, thick, meaty, tender, and in flavor unsurpassed. A very valuable feature is that the first picking is a heavy one. The demand for this Bean has been very much in excess of the supply, and as a money-maker we offer nothing in the seed line that has proved so advantageous to our gardeners as this particular item. Adapted for late as well as early planting, owing to the hardiness of the vine, which resists unfavorable weather and disease. **Pkt. 10c., pt. 30c., qt. 50c.,** postpaid. By express or freight, not prepaid: **Qt. 35c., pk. \$2.25, bus. \$8.00.**

BLACK VALENTINE

An old variety that has again sprung into popular favor on account of its earliness, prolificness and good shipping qualities; this Bean is planted very largely by market gardeners and large shippers of green Beans. **Pkt. 10c., pt. 30c., qt. 50c.,** postpaid. By express or freight, not prepaid: **Qt. 25c., pk. \$2.00, bus. \$6.00.**



BURPEE'S STRINGLESS GREEN-POD BEAN

EXTRA EARLY ROUND-POD RED VALENTINE

This is probably one of the oldest of all the green-podded Beans and is to-day as largely planted as any Bean on the market, on account of its most excellent eating qualities, its earliness and prolificness. **Pkt. 10c., pt. 25c., qt. 45c.,** by mail, postpaid. By express or freight, not prepaid: **Qt. 30c., pk. \$1.50, bus. \$5.00.**

DWARF HORTICULTURAL

Similar to the Pole Horticultural in looks, size, etc., excepting it grows in bush form. **Pkt. 10c., pt. 25c., qt. 45c.,** postpaid. By express or freight, not prepaid. **Qt. 30c., pk. \$1.75, bus. \$5.25.**

LONGFELLOW, or FRENCH LEAD PENCIL

A round-podded green Bean of great merit; is entirely stringless and of good flavor. Vines are very prolific. A good Bean for early use. Showy and attractive pods, often 6 inches long. **Pkt. 10c., pt. 25c., qt. 40c.,** postpaid. By express or freight, not prepaid: **Qt. 25c., pk. \$1.50, bus. \$5.75.**

BOUNTIFUL

Very early, free from strings, flat pod; a very handsome and attractive variety. This Bean is becoming more popular every year, both for home and market use. **Pkt. 10c., pt. 25c., qt. 45c.,** postpaid. By express or freight, not prepaid: **Qt. 30c., pk. \$1.50, bus. \$5.75.**

BEANS—Continued

BURPEE'S STRINGLESS GREEN POD

One of the most popular green-podded Beans. It is an early sort of the very best quality. Is entirely stringless, as its name implies. Pods are round, 5½ to 6 inches in length, of a light green color, very tender and vines are abundantly prolific. This Bean is most desirable for either home use or the market garden. We recommend it to all our customers as one of the very best Beans they can plant. **Pkt. 10c., pt. 25c., qt. 45c.,** postpaid. By express or freight, not prepaid: **Qt. 30c., pk. \$1.75, bus. \$6.50.**

REFUGEE, OR 1000 TO 1

The Popular Canning and Shipping Sort.

This Bean is one of the most prolific of all the green-podded sorts. Vines are strong and vigorous and very hardy. Pods are long, round and of fine appearance. This old standby is grown very largely for canning and for shipment. We sell large quantities of this variety in the South. A good sort for late planting. **Pkt. 10c., pt. 25c., qt. 40c.,** postpaid. By express or freight, not prepaid: **Qt. 25c., pk. \$1.50, bus. \$5.00.**

EXTRA EARLY REFUGEE

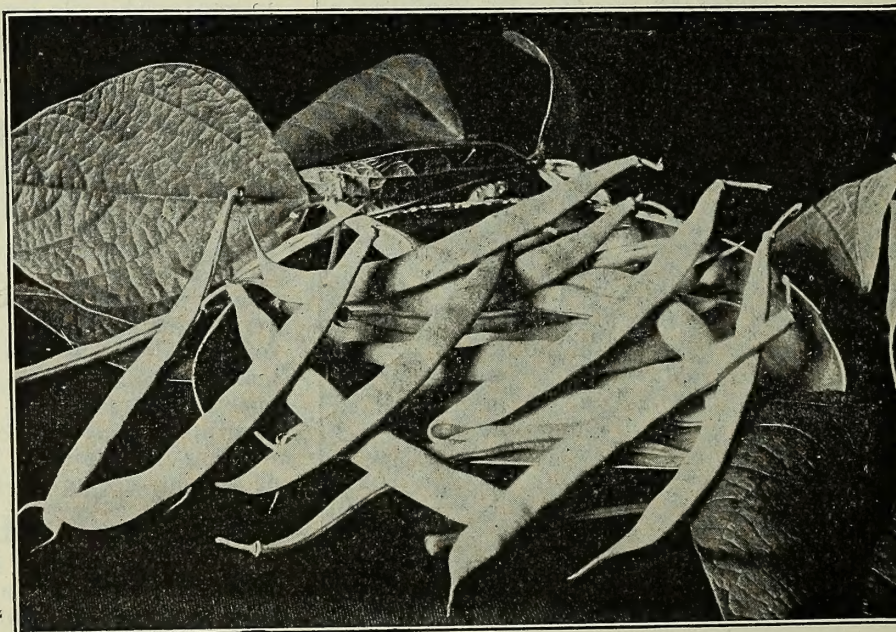
A very early green-podded Bean, of good quality. Pods are long, round and attractive. It matures from 2 to 3 weeks earlier than the late Refugee or 1000 to 1. A very desirable variety for market. We have a very choice strain of this popular Bean. **Pkt. 10c., pt. 25c., qt. 40c.,** postpaid. By express or freight, not prepaid: **Qt. 25c., pk. \$1.50, bus. \$5.00.**

LARGE WHITE MARROWFAT

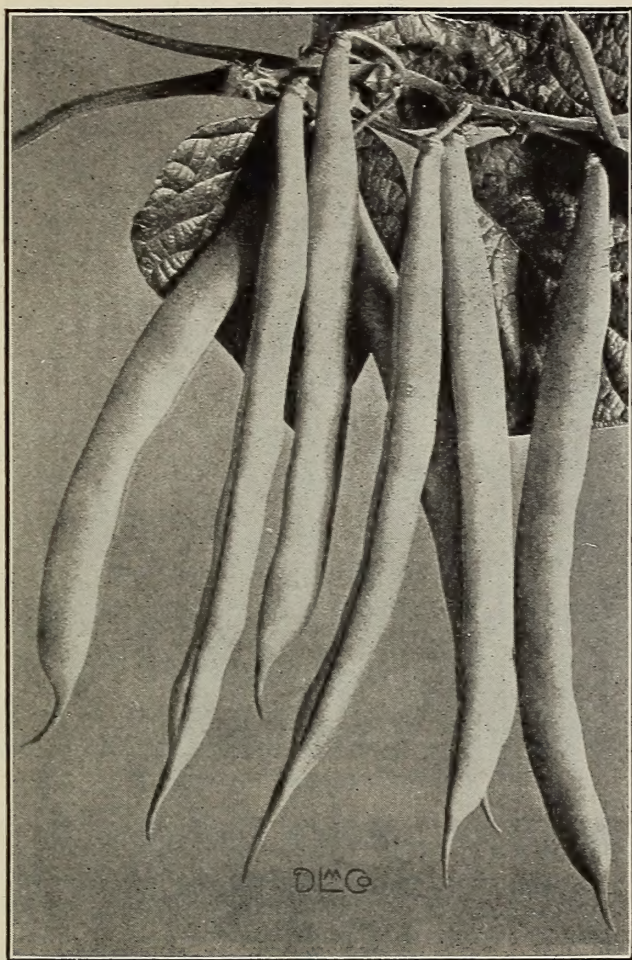
A popular variety for Winter use as a shelled or dry Bean. Seed pure white. Vines large and spreading. Very heavy yielders. Largely planted as a field Bean. They cook very dry and mealy. **Pkt. 10c., pt. 25c., qt. 40c.,** postpaid. By express or freight, not prepaid: **Qt. 25c., pk. \$1.25, bus. \$4.50.**

BOSTON PEA, OR NAVY

Grown largely in many sections as a commercial Bean for Winter use. Beans are pure white, small, nearly oval in shape. Vines are very prolific, producing a large bulk of shelled Beans per acre. A good sort for baked Beans. **Pkt. 10c., pt. 25c., qt. 40c.,** postpaid. By express or freight, not prepaid: **Qt. 25c., pk. \$1.25, bus. \$4.50.**



BOUNTIFUL BEAN



NOLL'S CALIFORNIA RUST-PROOF WAX BEAN

BEANS

Dwarf or Bush, Wax-Podded CALIFORNIA RUST-PROOF WAX

Positively the Earliest, Hardest and Most Productive Flat-Pod Wax Bean Ever Offered

It can be planted fully a week ahead of any other Wax Bean, on account of its extreme hardness, and will pick four to five days ahead of any other Wax variety planted at the same time. The vines are of a vigorous growth and yield enormous quantities of large, handsome flat pods. In the vicinity of Norfolk, where thousands of bushels of these Beans are planted annually, it has proven to be the most satisfactory Flat Wax variety. The seed should be planted not closer than four inches apart in the row. Market gardeners should not fail to grow this valuable variety. **Pkt. 10c., pt. 25c., qt. 40c.,** postpaid. By express or freight, not prepaid. **Qt. 25c., pk. \$1.75 bus. \$6.00.**

IMPROVED BLACK WAX

Early and prolific. Pods round, full, stringless and of fine quality. A great improvement on the old Black Wax; vines are very prolific; beans are of very good quality, and remain a long time fit for use. **Pkt. 10c., pt. 20c., qt. 35c.,** postpaid. By express, not prepaid: **Qt. 30c., pk. \$1.75, bus. \$6.00.**

GOLDEN-EYED WAX

Very early, hardy and prolific, with flat, yellow pods, free from rust. A most desirable and popular sort. Quite a favorite with market gardeners. **Pkt. 10c., pt. 25c., qt. 40c.,** postpaid. By express or freight, not prepaid: **Qt. 25c., pk. \$1.75, bus. \$6.00.**

PENCIL POD WAX

Grows long, yellow, straight pods, nearly round and very fleshy; entirely stringless. Pods grow from 5 to 7 inches in length; plant about 15 to 18 inches in height, with heavy foliage, and produces pods in great abundance. Sure to please. **Pkt. 10c., pt. 25c., qt. 45c.,** postpaid. By express, not prepaid: **Qt. 30c., pk. \$1.75, bus. \$6.00.**

DAVIS' KIDNEY WAX

Bears a profusion of long, straight, waxy white colored pods. One of the best shippers. Dry Beans are pure white. **Pkt. 10c., pt. 20c., qt. 35c.,** postpaid. By express, not prepaid: **Qt. 30c., pk. \$1.75, bus. \$6.00.**

IMPROVED GOLDEN WAX

An old standard variety, but still a great favorite; early; pods long, flat and stringless. **Pkt. 10c., pt. 25c., qt. 40c.,** postpaid. By express, not prepaid: **Qt. 25c., pk. \$1.75, bus. \$6.50.**

CURRIE'S RUST-PROOF WAX

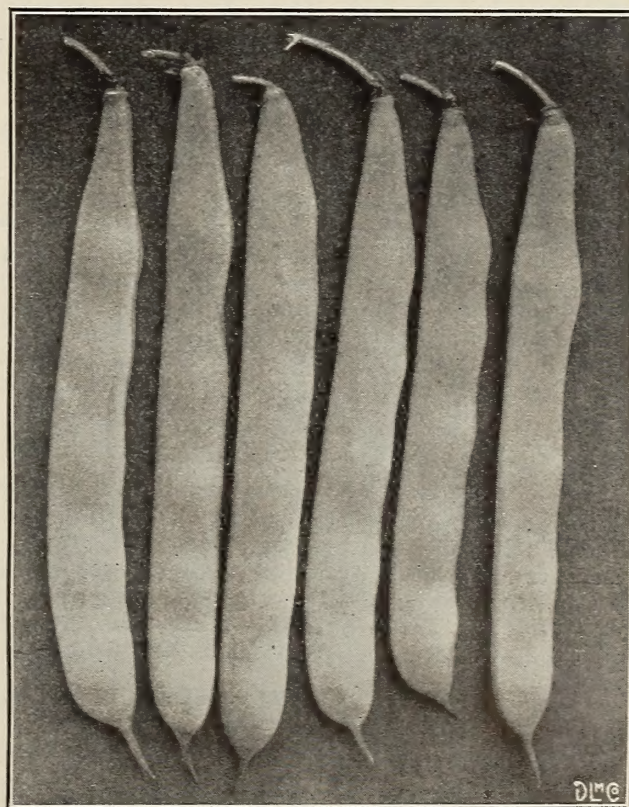
This old favorite is as nearly rust-proof as any of the wax-podded sorts. Vines are very vigorous, quite prolific and extremely hardy. Pods are flat; make an elegant appearance in the basket or on the market stall. Very early. **Pkt. 10c., pt. 25c., qt. 40c.,** postpaid. By express or freight, not prepaid: **Qt. 25c., pk. \$1.50, bus. \$5.50.**

WARDWELL'S KIDNEY WAX

This is one of the very best of the old standard varieties and has been planted in all sections of the country with entire satisfaction. Yields an abundance of long, yellow, nearly straight pods. Considered by many to be about the best of the Butter Beans. **Pkt. 10c., pt. 25c., qt. 40c.,** postpaid. By express or freight, not prepaid: **Qt. 25c., pk. \$1.50, bus. \$5.75.**

ROUND POD KIDNEY WAX

A very fine round-pod variety, entirely stringless; in habit similar to Wardwell's Wax except pods are round instead of flat. **Pkt. 10c., pt. 25c., qt. 45c.,** postpaid. By express, not prepaid: **Qt. 30c., pk. \$1.75, bus. \$6.50.**



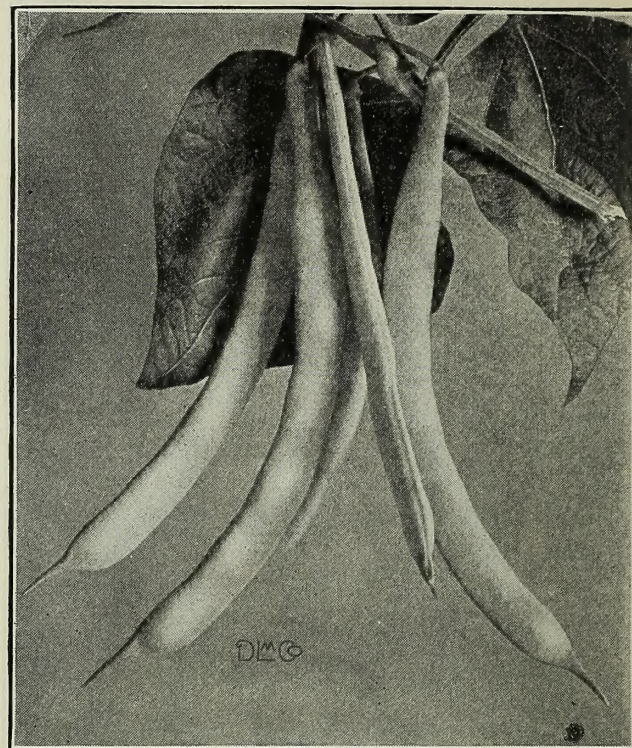
WARDWELL'S KIDNEY WAX BEAN

BEANS—Dwarf or Bush, Wax-Podded—Continued

HODSON LONG-POD WAX BEAN

NOLL'S GOLDEN QUEEN WAX

Produces enormous pods. A variety that will be more largely planted as it becomes better known. Good flavor; very desirable for home use. One of the very best shippers we have in our list; pods are tender and stringless if picked when young. It is a most productive and profitable variety for market gardeners. **Pkt. 10c., pt. 25c., qt. 45c.,** postpaid. By express, not prepaid: **Qt. 30c., pk. \$1.75, bus. \$6.**



NOLL'S GOLDEN WAX BEAN

HODSON LONG-POD WAX

This Bean has sprung into popular favor on account of its enormous productiveness. An excellent shipper. Rather late in maturing, but of remarkable vigor and free from blight or other diseases. **Pkt. 10c., pt. 25c., qt. 40c.,** postpaid. By express or freight, not prepaid: **Qt. 25c., pk. \$1.75, bus. \$6.00.**

NOLL'S IDEAL POTATO BUSH LIMA

The Very Best of the Bush Limas; a Money-Maker for the Market Gardener; Unequaled for Home Use

This is similar to our Ideal Pole Lima, except that it is a dwarf or bush variety and requires no poles. Plants grow 12 to 18 inches in height; of bush form; pods short and thick; very prolific. **Pkt. 10c., pt. 30c., qt. 50c.,** postpaid. By express or freight, not prepaid: **Qt. 35c., pk. \$2.25, bus. \$8.00.**

BURPEE'S BUSH LIMA

The largest of all the Bush Limas, as large as many of the pole varieties. Plants grow 20 to 24 inches in height and produce an enormous number of well-filled pods. The eating qualities of this Bean are of the very best. The demand for this Bean is larger each year and supply is often exhausted before the season is over. **Pkt. 10c., pt. 25c., qt. 45c.,** postpaid. By express or freight, not prepaid: **Qt. 30c., pk. \$2.00, bus. \$7.50.**

FORDHOOK BUSH LIMA

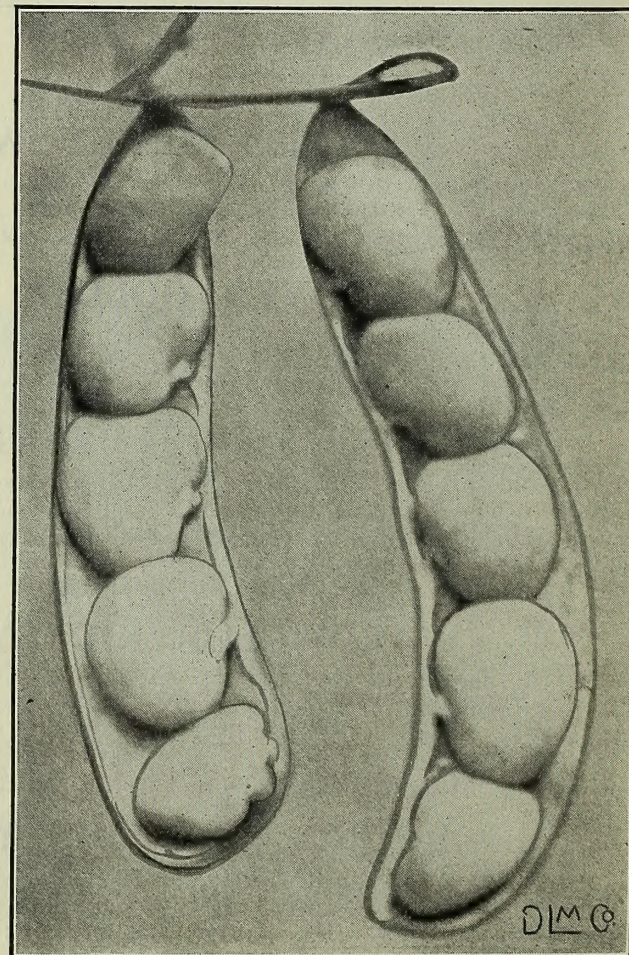
A New Bean of Exceptional Merit. Large Meaty Beans

This new Bean is bound to be one of the most popular of all the Bush Limas. The bushes average 25 to 30 inches in height, stand up very erect; pods are very large, averaging 4 beans each, beans thick and meaty. This is the most prolific of all the Bush Limas. We advise all our customers to give this new Bean a trial. **Pkt. 15c., pt. 35c., qt. 65c.,** postpaid. By express or freight, not prepaid: **Qt. 50c., pk. \$2.75, bus. \$10.00.**

HENDERSON'S BUSH LIMA

Earliest of all the Bush Limas

The earliest of all the Bush Limas; comes in ahead of all the Pole Limas; beans are small, but produced in great profusion. **Pkt. 10c., pt. 25c., qt. 45c.,** postpaid. By express or freight, not prepaid: **Qt. 30c., pk. \$2.00, bus. \$7.25.**



NOLL'S IDEAL POTATO BUSH LIMA BEAN

BUSH LIMAS—Continued**BURPEE'S IMPROVED BUSH LIMA**

This is claimed by the introducers to be superior to the old standard Burpee's Bush Lima. Grows more vigorous with heavier foliage; matures sixteen days earlier. Beans are larger and of better quality. It is the earliest of the large Bush Limas. Vines are very prolific. **Pkt. 15c., pt. 35c., qt. 65c.,** postpaid. By express or freight, not prepaid: **Qt. 50c., pk. \$3.50, bus. \$12.50.**

DREER'S BUSH LIMA

This is the dwarf form of Dreer's, or Challenge Pole Lima; it is very similar in shape to that popular variety. Pods are thick, beans very meaty and of fine flavor. **Pkt. 10c., pt. 25c., qt. 45c.,** postpaid. By express or freight, not prepaid: **Qt. 30c., pk. \$2.00, bus. \$7.50.**

LIMA BEANS, POLE

CULTURE.—Plant in settled warm weather. Set poles 3 to 4 feet apart and plant 4 or 5 beans about 2 inches deep around each pole. One quart of Limas for 100 poles and one pint of other varieties for 100 poles; one-half bushel per acre.

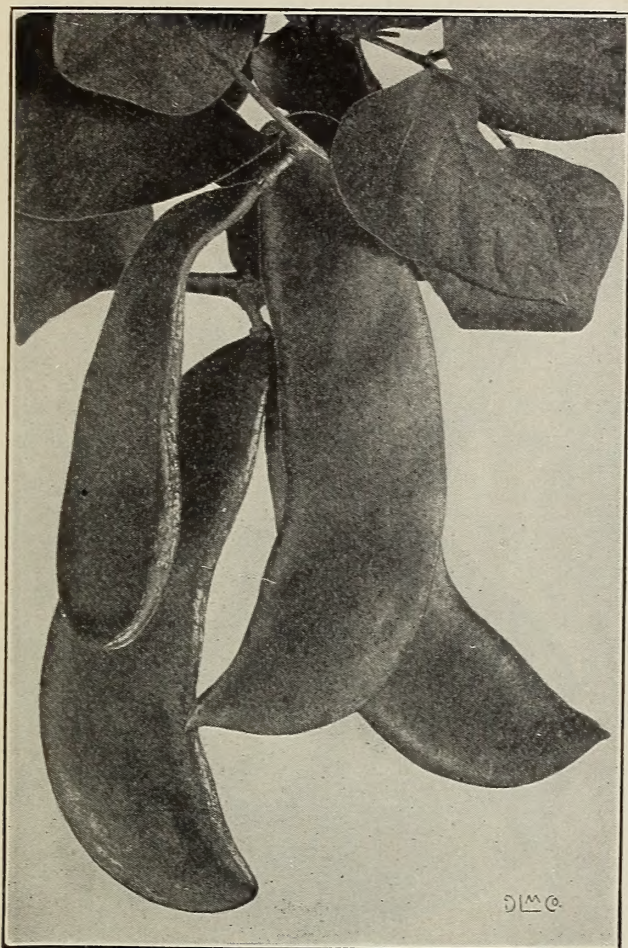
NOLL'S IDEAL POTATO POLE LIMA

This variety of Lima Beans is the Best for the Gardener to Grow, Shells Out More Quarts of Beans to the Bushel of Pods than Any Other Lima We Know of

The shelled beans of this variety are thick and chunky, very meaty, of most excellent flavor. Pods average about 4 inches in length, beans are crowded in the pods, always well filled. **Pkt. 10c., pt. 30c., qt. 55c.,** postpaid. By express or freight, not prepaid: **Qt. 40c., pk. \$2.25, bus. \$8.00.**

FORD'S MAMMOTH PODDED LIMA

The largest podded of all the Limas. Very productive; an excellent sort either green or dry. **Pkt. 10c., pt. 25c., qt. 45c.,** postpaid. By express or freight, not prepaid: **Qt. 30c., pk. \$2.00, bus. \$7.50.**



BURPEE'S BUSH LIMA BEAN

KING OF THE GARDEN LIMA

Vigorous and productive. Produces an abundance of pods, 5 to 6 inches long, well filled with beans of very large size, quality first-class. This Bean is planted by many private and market gardeners in preference to all other sorts. **Pkt. 10c., pt. 25c., qt. 45c.,** postpaid. By express or freight, not prepaid: **Qt. 30c., pk. \$2.00, bus. \$7.00.**

EARLY LEVIATHAN

This variety is about one week earlier than most varieties of Pole Lima Beans. Pods are borne in clusters, with five to seven beans in a pod. A very good variety for the home garden. **Pkt. 10c., pt. 25c., qt. 45c.,** postpaid. By express or freight, not prepaid: **Qt. 30c., pk. \$2.00, bus. \$7.50.**

DREER'S IMPROVED LIMA

Called Challenger and Potato Lima. A very productive variety of Limas. **Pkt. 10c., pt. 25c., qt. 45c.,** postpaid. By express or freight, not prepaid: **Qt. 30c., pk. \$2.25, bus. \$7.50.**

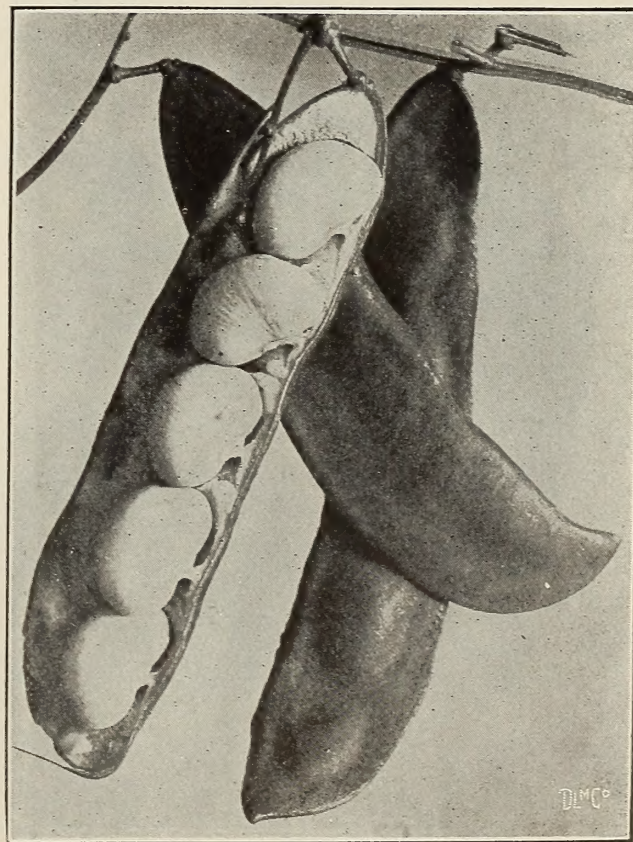
BEANS, POLE OR CLIMBING

Kentucky Wonder, or Old Homestead. Green pod. A very productive variety; pods long, produced in clusters full length of the pole. Stringless, of very best flavor. **Pkt. 10c., pt. 25c., qt. 45c.,** postpaid. By express or freight, not prepaid: **Qt. 30c., pk. \$2.00, bus. \$7.00.**

Lazy Wives Pole. Pods thick, very fleshy, broad and entirely stringless. A very desirable sort, either green or shelled. Dried Beans are nearly round, pure white. **Pkt. 10c., pt. 25c., qt. 45c.,** postpaid. By express or freight, not prepaid: **Qt. 30c., pk. \$2.25, bus. \$8.00.**

White Dutch Case-Knife. Early, very prolific; used as a Snap Bean when very young, as a Shelled Bean when matured. **Pkt. 10c., pt. 25c., qt. 40c.,** postpaid. By express or freight, not prepaid: **Qt. 25c., pk. \$1.50, bus. \$6.00.**

Horticultural, or Speckled Cranberry. An old popular variety, used largely in the New England States. **Pkt. 10c., pt. 25c., qt. 45c.,** postpaid. By express or freight, not prepaid: **Qt. 30c., pk. \$2.00, bus. \$7.50.**



NOLL'S IDEAL POTATO POLE LIMA BEAN

BEETS

Very Short
Crop

CULTURE.—If wanted very early, sow in hotbeds and transplant. For general use plant seed as early as ground can be nicely worked, usually about first of April. Sow in drills 1 foot apart, about 1 inch deep, and thin out to 2 inches apart in the rows. One ounce of seed to 50 feet of drill; 6 to 8 lbs. per acre.

NUTTING'S EARLY GEM

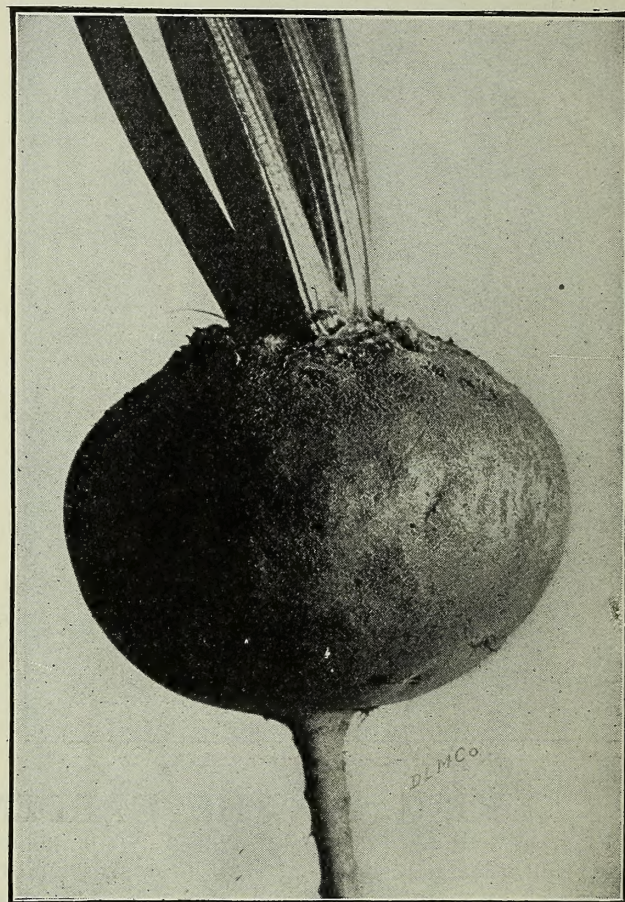
Without a peer as to shape, size, color and quality. Has satisfied the most critical and experienced gardeners who have pronounced it the "King of Beets," and we believe that the merits of this variety as a money-maker are unequaled. Its valuable features consist in its being very early, perfectly smooth, tender and sweet, dark in color, and does not crack as the old Egyptian and other early varieties. It produces roots of marketable size in shorter time than any other sort which places it at the head of the list for growing in greenhouses, and if sown in July for a late crop, will be ready for market quicker than any other sort. **Pkt. 10c., oz. 15c., ¼ lb. 50c.**

CROSBY'S IMPROVED EGYPTIAN

A selection out of the well-known Egyptian variety, and is an excellent first early sort, uniform in shape, dark red in color. The tops are small, yet large enough to bunch easily. Next to our Nutting's Early Gem, we believe this is the earliest variety and one of the most satisfactory to grow. **Pkt. 10c., oz. 15c., ¼ lb. 50c., lb. \$1.50.**

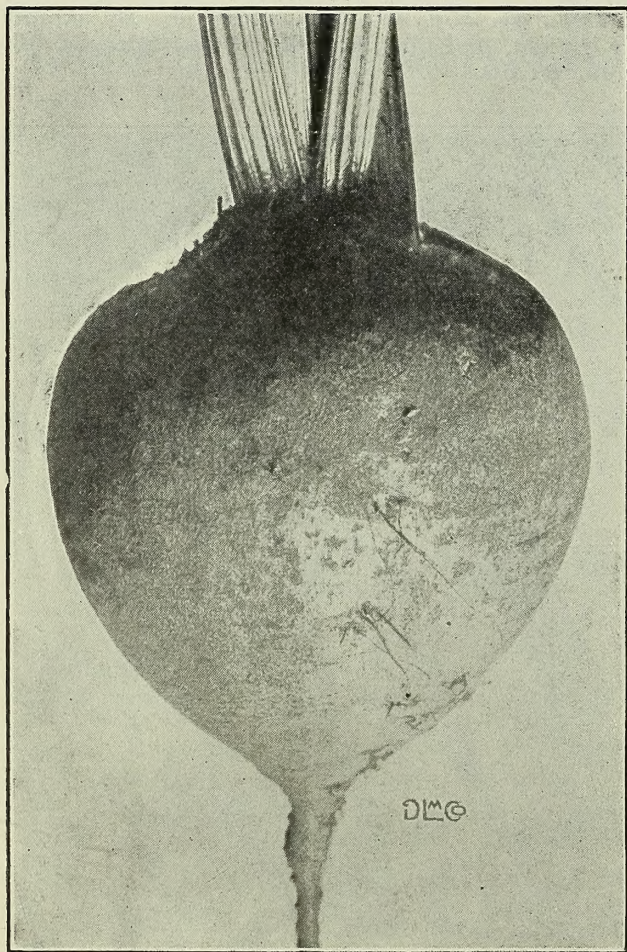
EGYPTIAN EXTRA EARLY

An excellent forcing sort; round on top but flat on the bottom. It is considered to be the very earliest of all varieties; planted largely by market gardeners for their first Beets; can be planted close and gives good results. We offer a strain of this old and popular sort that we know will please the most critical. **Pkt. 10c., oz. 15c., ¼ lb. 45c., lb. \$1.35.**



NUTTING'S EARLY GEM BEET

Order your supply of Beet seed early. Very short crop.



DETROIT DARK RED BEET

LENTZ EARLY TURNIP

This is a great favorite with Philadelphia market gardeners; it is a very early variety, good shape, very smooth, of excellent flavor. Flesh alternate rings of light and dark red, but it cooks entirely red. Our stock of this variety has been grown for us by one of the largest and best market gardeners in this section. **Pkt. 10c., oz. 15c., ¼ lb. 45c., lb. \$1.35.**

EDMAND'S BLOOD TURNIP

A second-early variety of good flavor, small top, deep blood-red in color; an excellent keeper. **Pkt. 10c., oz. 15c., ¼ lb. 45c., lb. \$1.35.**

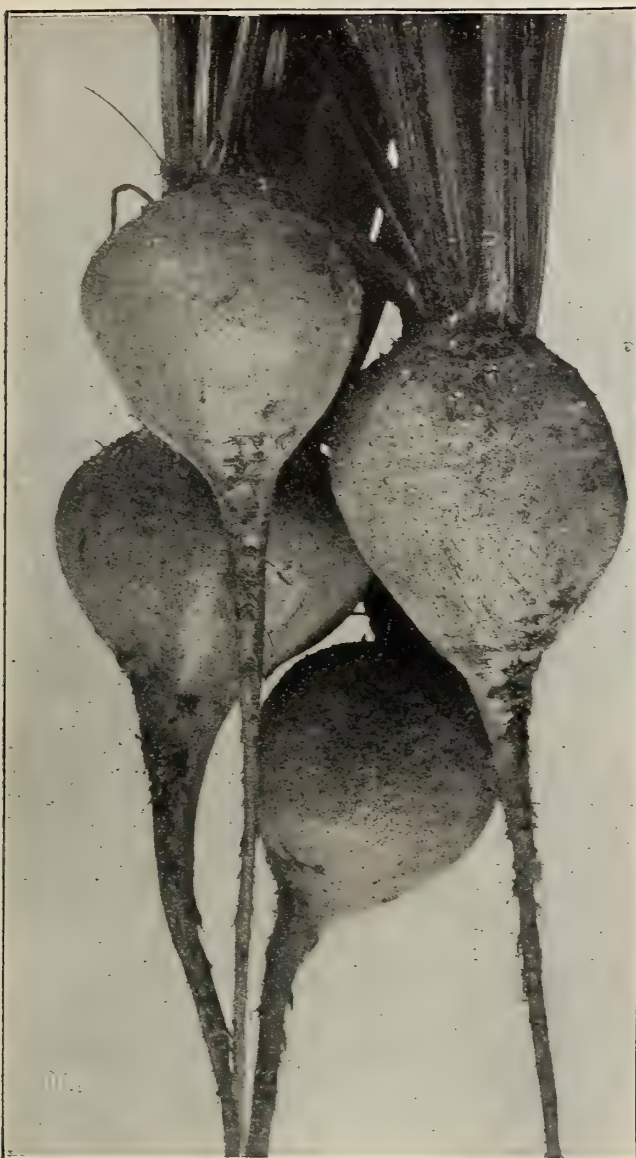
ECLIPSE

Extremely early; highly recommended for the home garden; flesh bright red, zoned with white; shape nearly globular. **Pkt. 10c., oz. 15c., ¼ lb. 45c., lb. \$1.35.**

DETROIT DARK RED

A FINE STRAIN OF TURNIP-SHAPED BEET

Valuable for its remarkable uniformity and smoothness; size medium; flesh fine grained, tender and remaining so for a long time; admirable for either Summer or Fall use. The roots are "real blood" color, smooth and uniformly round and never get "woody." The tops are dark colored and vigorous. **Pkt. 10c., oz. 15c., ¼ lb. 50c., lb. \$1.50.**



CRIMSON GLOBE BEET

MAMMOTH LONG RED MANGEL

This is the largest of all the Mangels; grows to an enormous size and will yield more tons per acre than any other variety. This Mangel is planted more largely than any other. **Pkt. 5c., oz. 10c., 1/4 lb. 15c., lb. 40c.**

GOLDEN TANKARD MANGEL

Grows small top; flesh bright yellow zoned with white; highly thought of among dairymen. It is medium early and a good cropper. **Pkt. 5c., oz. 10c., 1/4 lb. 15c., lb. 40c.**

LANE'S IMPERIAL SUGAR

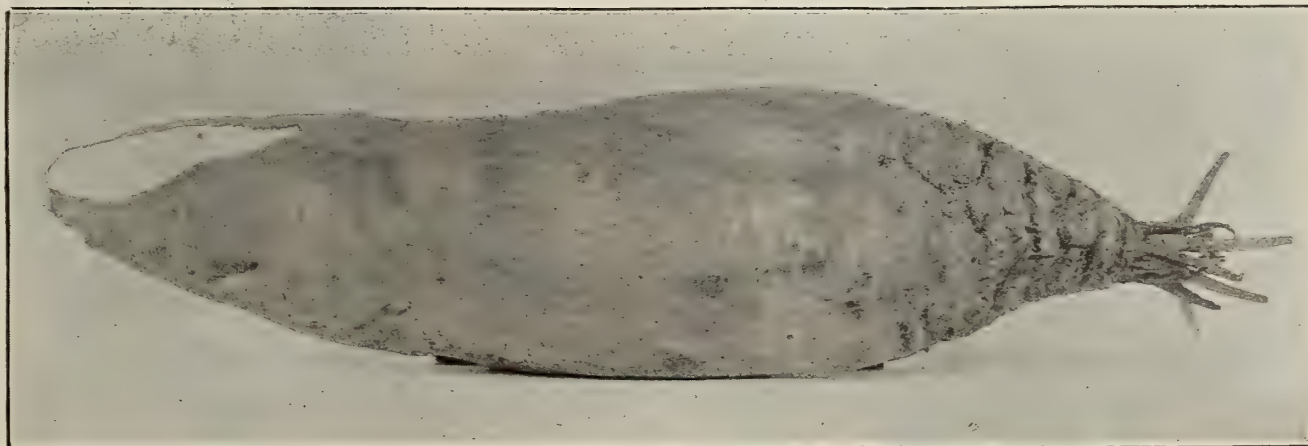
One of the best for stock feeding; it is of rich sugary flavor, a very heavy cropper. **Pkt. 5c., oz. 10c., 1/4 lb. 15c., lb. 40c.**

**BRUSSELS
SPROUTS**

CULTURE.—Same as Winter Cabbage, or Kale.

**HALF DWARF
IMPROVED**

The best variety for the market gardener to grow. **Pkt. 10c., oz. 25c., 1/4 lb. 75c., lb. \$2.50.**



MAMMOTH LONG RED MANGEL

BEETS—Continued**CRIMSON GLOBE**

As its name implies, a perfect globe shape Beet, dark blood-red color, smooth skin, sweet and tender. This is the Beet brought out recently by one of the largest seed firms in England who claims it is a perfect sort for general use. Our stock comes from the originator. **Pkt. 5c., oz. 15c., 1/4 lb. 45c.**

STRASBURG HALF-LONG

This is, in our opinion, the very best half-long Beet in cultivation; root is dark red, smooth and attractive in appearance; it is very sweet, tender and crisp. A very desirable sort for Winter or Spring use. **Pkt. 5c., oz. 10c., 1/4 lb. 30c., lb. 90c.**

LONG SMOOTH BLOOD RED

This is the popular late sort. A most excellent keeper, grows to good size, half out of ground, almost free from side roots, very dark color, sweet and tender. **Pkt. 5c., oz. 10c., 1/4 lb. 30c., lb. 90c.**

SWISS CHARD

Is becoming more popular every year in this country and should be given a place in every garden. Grown for the leaves only and cooked like Spinach—by many it is considered superior. The mid-rib is often prepared the same as Asparagus. This delightful vegetable can be sown at different seasons, so that you can always have greens for boiling. **Pkt. 5c., oz. 10c., 1/4 lb. 20c., lb. 60c.**

MANGELS AND SUGAR BEET

CULTURE.—Sow in May or June in rows 18 inches apart and thin to 8 inches in the row. Cover seed about 1 inch and press soil firmly over it. Cultivate frequently so as to keep soil loose. One ounce of seed to 50 feet of drill, six to eight pounds per acre.

GIANT HALF SUGAR ROSE

White with a rosy top. Flesh is pure white, yields enormously; grows half out of ground and is easily harvested. **Pkt. 5c., oz. 10c., 1/4 lb. 15c., lb. 40c.**

CABBAGE

CULTURE.—Cabbage thrives best in a rich soil which is well drained. For early varieties plant seed in hotbeds in January or February. Transplant as early as ground is in good condition; set plants in rows 2½ feet apart, 18 inches between plants. For late crop sow in May or early June, in open ground in a cool, moist place and transplant when four to six inches high. One ounce of seed for 3000 to 4000 plants; three to four ounces per acre.

EARLY JERSEY WAKEFIELD

Earliest and Hardest-Heading of the Conical or Pointed Headed Sorts

This variety for an early Cabbage is probably more largely planted than any other, both for home and market use. It grows a good-sized head, has few outer leaves and matures a crop in from 90 to 100 days. Quality is excellent. Our stock is grown on Long Island and cannot be surpassed in quality. **Pkt. 10c., oz. 35c., ¼ lb. \$1.00, lb. \$3.50.**

CHARLESTON WAKEFIELD

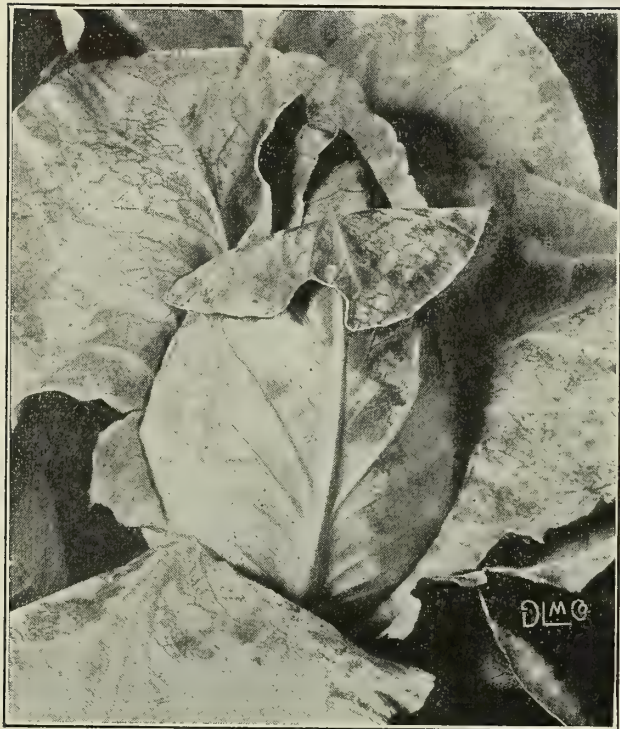
This is larger but later than Jersey Wakefield. It is, however, an early Cabbage; heads are less pointed but solid. A very desirable variety to follow the extra early sorts. It is a good keeper, of excellent quality; a first-class shipper, and very popular in all sections where Cabbage is grown for market purposes. **Pkt. 10c., oz. 30c., ¼ lb. 90c., lb. \$3.00.**

ALL SEASONS

As its name implies, is good for Spring, Summer or Fall planting; gives universal satisfaction; a dependable Cabbage under all conditions. We are confident it will please our customers who want a good second early, round-headed sort. It stands heat and drought remarkably well. **Pkt. 5c., oz. 20c., ¼ lb. 60c., lb. \$2.00.**

ALL HEAD EARLY

A large, flat-headed early variety; comes in earlier than Early Summer, and is considerably larger. Heads are of good shape, uniform in size, very hard and heavy. All things considered, we believe that, after our Market Gardeners' Cabbage, this is the very best of the early sorts. **Pkt. 10c., oz. 30c., ¼ lb. \$1.00, lb. \$3.25.**



EARLY JERSEY WAKEFIELD CABBAGE

EARLY WINNIGSTADT

An old and popular variety, on account of its remarkable keeping qualities. It seems to stand drought and is affected less with insects and disease than many others. It has a conical head of good size and quality. It is an extra early variety of great merit. **Pkt. 5c., oz. 20c., ¼ lb. 60c., lb. \$2.00.**

EARLY SUMMER

A popular variety in many sections; heads are round and flattened, very solid and of good quality. It is a sure header and can be planted by either the private or market gardener to very good advantage. **Pkt. 10c., oz. 25c., ¼ lb. 75c., lb. \$2.50.**

EARLY SPRING

A good early flat-headed variety; it grows few outer leaves, so can be planted very close, thus producing large crops per acre. Heads are as large as many of the late sorts, very solid and compact and of the very best quality. **Pkt. 10c., oz. 25c., ¼ lb. 75c., lb. \$2.50.**

FOTTLER'S BRUNSWICK

A very low-growing, flat-headed variety; heads are large and solid with few outer leaves; it is a desirable intermediate or late sort. This is an old but still very popular variety. **Pkt. 5c., oz. 20c., ¼ lb. 60c., lb. \$2.00.**



EARLY WINNIGSTADT CABBAGE

SUCCESSION

A very popular Midsummer or second early variety of unquestionable merit; it matures after Early Summer, is larger and more solid. It stands heat and drought very well and never fails to mature a crop. One of the very best Cabbages for Summer use. **Pkt. 10c., oz. 25c., ¼ lb. 75c., lb. \$2.50.**



ALL HEAD EARLY CABBAGE

CABBAGE—Continued**MARKET GARDENERS'**

The Best Early Flat-Head Cabbage in Existence. Quick Growing.
Perfect Type and a Sure Header

We particularly recommended this variety for the market gardener, trucker or private use. It is as perfect a Cabbage as can be obtained; handsome in color, fine in quality. Heads average 8 to 12 lbs. each. One of our Southern customers, who has grown Cabbage for over 30 years, writes us he has tried all varieties, and Market Gardeners' obtained from us is the best he has ever used. Our sales are increasing every year on this variety. **Pkt. 10c., oz. 35c., ¼ lb. \$1.00, 1b. \$3.50.**

SUREHEAD

This is Claimed to be the Surest Header of Them All

It gives the greatest satisfaction to private gardeners and truckers for a large, late, flat-headed sort of the general type of Large Late Flat Dutch. It is a leading variety with two of the large Philadelphia seedsmen; has been listed in their catalogues continuously for 33 years, and is more popular every year. We have the genuine Long Island grown strain of this very popular sort. **Pkt. 10c., oz. 25c., ¼ lb. 75c., 1b. \$2.50.**

AUTUMN KING, OR WORLD BEATER

A good variety for late planting; it grows a very large, solid head; leaves grow very close; head is flattened, and of very good quality. It matures about same time as Late Flat Dutch. We consider it a very good variety for storing for Winter use. **Pkt. 10c., oz. 25c., ¼ lb. 75c., 1b. \$2.50.**

HOLLANDER, OR DANISH BALL HEAD

The Great Winter Keeper

In a great many Cabbage sections, particularly New York and Michigan, this is the only Cabbage planted for a Fall or Winter variety. Its keeping qualities cannot be surpassed. Plant very vigorous, compact, extremely hardy; heads very heavy, globe-shaped and, when stored for Winter or early use, keep perfectly. We offer a very choice strain of this most popular sort. **Pkt. 10c., oz. 35c., ¼ lb. \$1.00, 1b. \$3.00.**

NOLL'S LARGE LATE DRUMHEAD

A very popular late variety of the Flat Dutch type; heads grow very large, are always solid and heavy; it grows a short stem. **Pkt. 10c., oz. 20c., ¼ lb. 60c., 1b. \$2.00.**

SUPERB LATE FLAT DUTCH

DANISH BALL HEAD CABBAGE

The Very Best of the
Late Varieties

Grows a very large, flat head of superior quality, of a bluish green color, with few outer leaves, on a short stem. There are many strains of Late Flat Dutch Cabbage, but we are very confident none will be found superior to our selected Long Island grown strain of this most excellent sort. No mistake can be made in planting this variety for late or Winter Cabbage. **Pkt. 10c., oz. 20c., ¼ lb. 60c., 1b. \$2.**



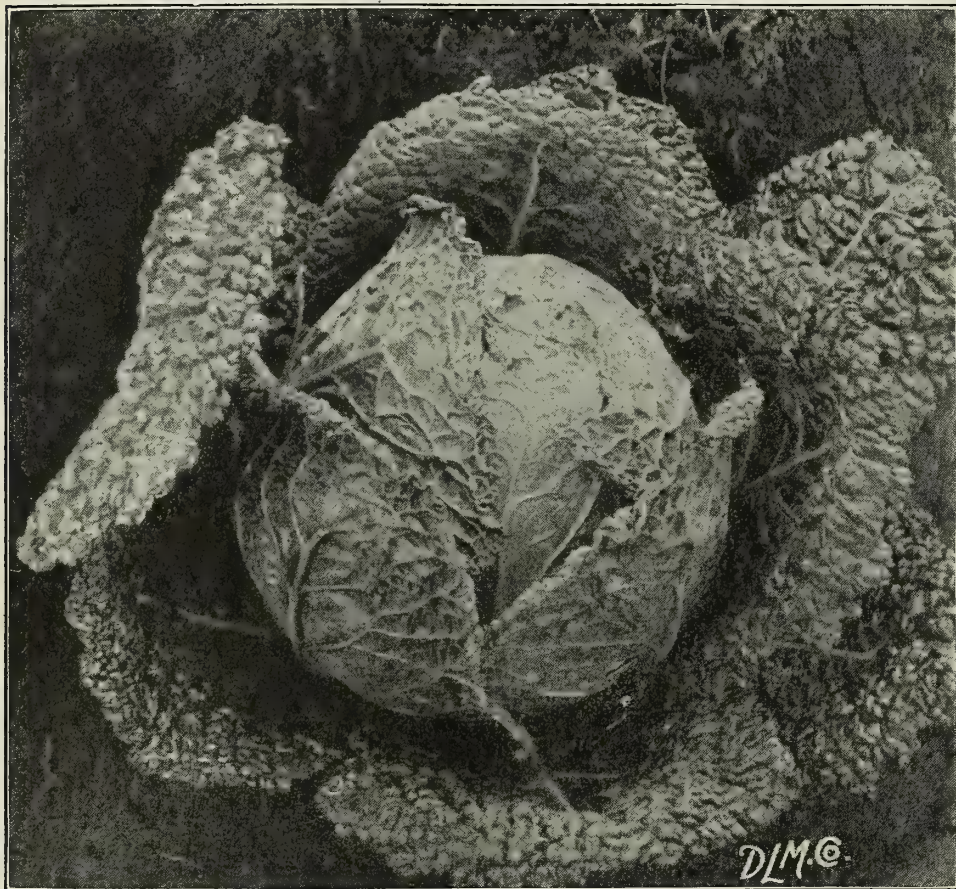
LATE FLAT DUTCH CABBAGE



MARKET GARDENERS' CABBAGE

CABBAGE—Continued**NOLL'S PERFECTION SAVOY** The Best Hard Heading Variety

Market gardeners' private stock. This variety, the result of many years' careful selection, is certainly the perfection in the Savoy. It is unquestionably the best and most profitable strain to grow, being far superior to the ordinary imported Drum-head Savoy, as generally sold, the seed of which can be supplied at less than half the price. The heads are large, very uniform, solid and hard, of a deep green color. It is very curly and sure to head, keeps well and retains its color. It is the best selling market variety of all the Savoy. The eating qualities of Savoy Cabbage are of the best. **Pkt. 10c., oz. 30c., ¼ lb. 90c., lb. \$3.00.**



NOLL'S PERFECTION SAVOY CABBAGE

CARROTVery Short Crop
This Season

CULTURE.—Carrots give satisfactory results in any good garden soil if thoroughly and deeply worked; a sandy loam, well manured, is very desirable. For an early crop sow as early as the ground can be worked. For garden culture sow in rows 16 to 18 inches apart; for field culture 18 to 24 inches apart. Thin out to 2 to 3 inches apart in rows. Plant seed ½ to 1 inch deep and press soil firmly. One ounce of seed to 100 feet of drill; three to four pounds per acre.

RUBICON, HALF-LONG

The finest bunch Carrot in existence to-day. This is an entirely new and distinct American strain, finely shaped and of beautiful deep orange color. It grows without neck, and is hollow crowned. Being earlier than the Danvers, the leaves are one-third shorter, fewer and finer than in that well-known sort. It is excellent for growing under glass or outside, at any season of the year. **Pkt. 10c., oz. 15c., ¼ lb. 50c., lb. \$1.50.**

NEW FRENCH MARKET also known as **NEW YORK MARKET**

The highest colored and most beautiful of all Carrots. A very heavy yielder. Top small, considering the size of the roots, which are smooth, straight and free from roughness. **Pkt. 10c., oz. 15c., ¼ lb. 50c., lb. \$1.50.**

DANVERS HALF-LONG

This is one of the greatest yielders of the Carrots; planted by many for both table use and stock feeding. It seems to do well in all sections and under all conditions. It is half-long in shape, perfectly smooth, with a stump root. Color dark orange; flesh sweet and tender. **Pkt. 10c., oz. 15c., ¼ lb. 50c., lb. \$1.50.**

NOLL'S MAMMOTH RED ROCK

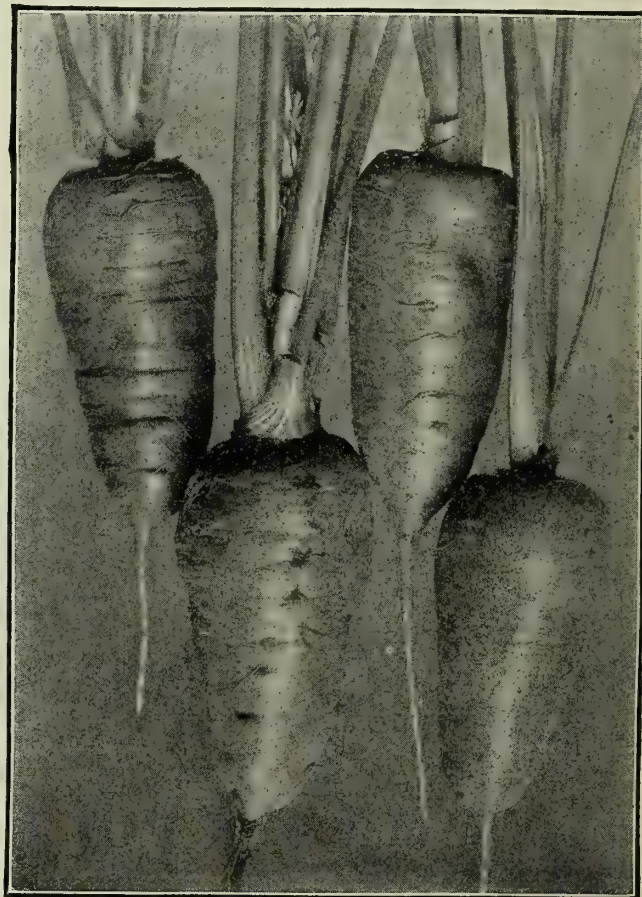
By far the best, largest and hardest heading Red Cabbage ever introduced. The plant is large, with numerous spreading leaves, and the head large, very solid, and of deep red color inside as well as outside. We have a selected stock of this very popular and profitable red sort. This is much larger than Red Dutch and Red Polish. **Pkt. 10c., oz. 30c., ¼ lb. 90c., lb. \$3.00.**

DANISH STONEHEAD

A variety of recent introduction but already popular owing to its many good qualities. Produces very large heads, fine grained and tender. Heads are very hard, color very dark. We believe this to be one of the best Red Cabbage sorts yet introduced. **Pkt. 10c., oz. 60c., ¼ lb. \$2.00.**

DANISH DELICATESSE

This variety is quite distinct, the heads being somewhat pointed at the top. Heads are very firm and are not subject to splitting. Color very dark. A good variety for home garden or market. **Pkt. 10c., oz. 50c., ¼ lb. \$1.75.**



RUBICON CARROT

CARROT—Continued**NOLL'S LONG ORANGE**

We have a very carefully selected strain of this variety, which is the best of all the long sorts. This old Carrot is probably better known and more largely planted than any other of the long varieties. It is very true as to shape and color; a good yielder; flesh deep orange color. A popular sort for the farm. **Pkt. 5c., oz. 10c., $\frac{1}{4}$ lb. 35c., lb. \$1.00.**

FRENCH LUC

A new sort very popular in France. A half-long stump-rooted sort; very heavy cropper; free from core; flesh tender, sweet and delicious; desirable either for market or home use. It is an enormous yielder and we can highly recommend it to any of our customers. **Pkt. 10c., oz. 15c., $\frac{1}{4}$ lb. 50c., lb. \$1.50.**

NOLL'S EARLY SHORT-TOP FORCING

This is the best frame Carrot ever offered, and is also an excellent outdoor sort. It has a short top, is perfectly smooth and has a rich orange color. One important feature about this Carrot is that it has the color desired when it is quite small and does not crack open. **Pkt. 10c., oz. 15c., $\frac{1}{4}$ lb. 50c., lb. \$1.50.**

OXHEART, OR GUERANDE

This Carrot runs 3 to 4 inches in diameter; short and thick; a most excellent table variety. The color and quality are all that can be desired. It is a great favorite with many of the market gardeners. We recommend this variety to anyone wishing a short Carrot. **Pkt. 5c., oz. 10c., $\frac{1}{4}$ lb. 30c., lb. 90c.**

EARLY SCARLET HORN

An old favorite, and very popular for an early crop. A good forcing variety. Color deep orange; flesh very fine grained; blunt root. A very salable sort in any market. **Pkt. 5c., oz. 10c., $\frac{1}{4}$ lb. 30c., lb. 90c.**

CHANTENAY HALF-LONG

One of the handsomest of all the Carrots, smooth, and of a rich orange color. A very desirable variety for the home garden. We have sold this variety for many years to the entire satisfaction of all who have planted it. **Pkt. 10c., oz. 15c., $\frac{1}{4}$ lb. 50c., lb. \$1.50.**

ATTENTION

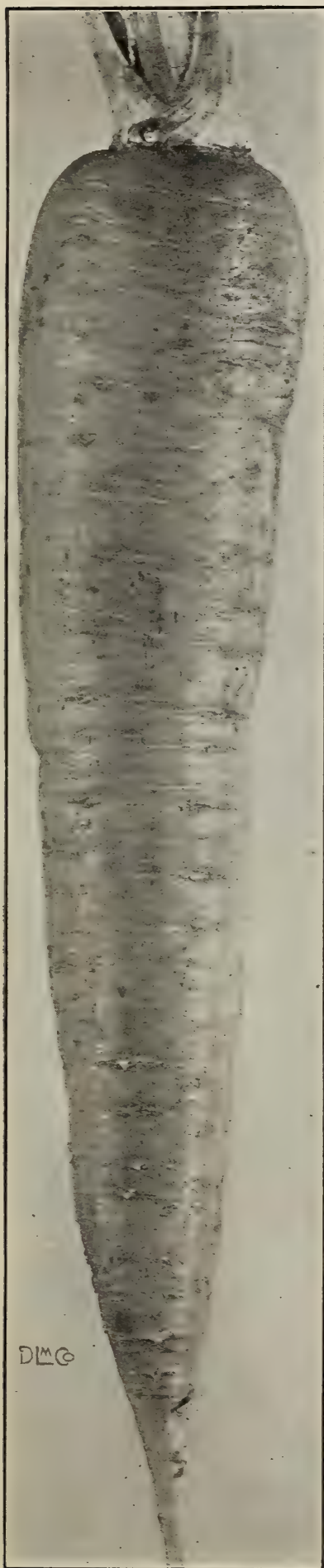
WE solicit orders for Carrot seed as early as possible, as the crop has been extremely short the past season. Our seed is produced in France by the best growers and when we are sold out of these stocks will have none to offer.



NOLL'S EARLY SHORT-TOP FORCING CARROT

WHITE BELGIAN

The popular sort for stock feeding. Grows a foot long, standing about half out of ground. Flesh is coarse and is only desirable for stock feeding. **Pkt. 5c., oz. 10c., $\frac{1}{4}$ lb. 20c., lb. 60c.**



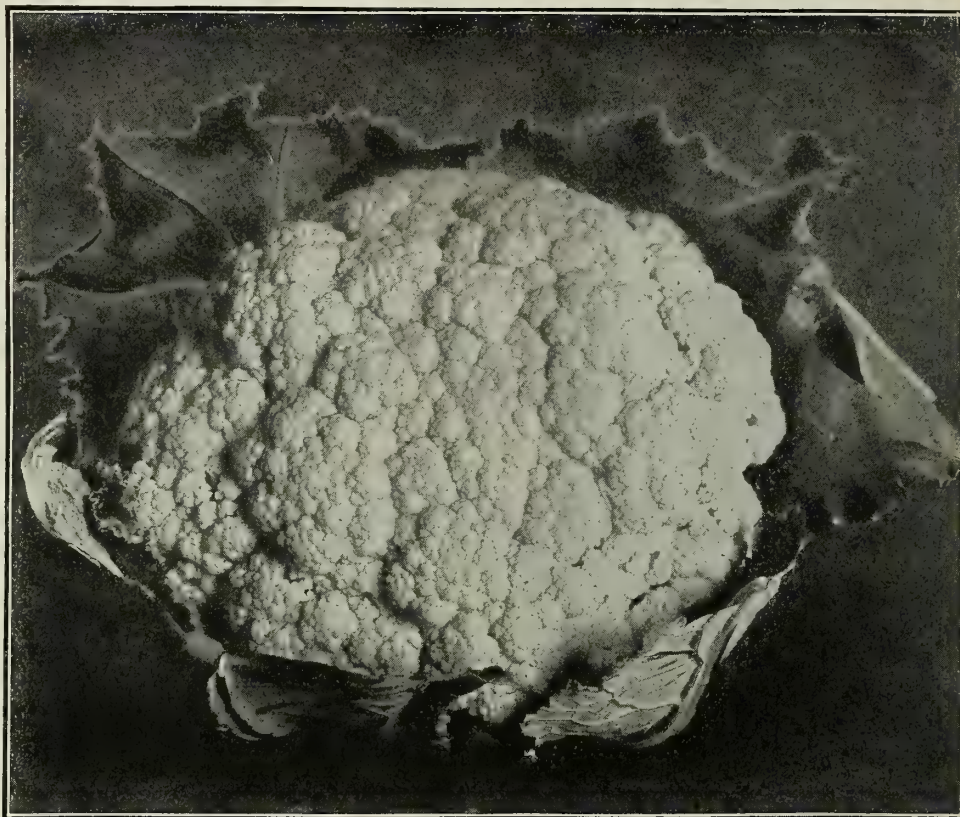
NOLL'S LONG ORANGE CARROT

CAULIFLOWER

CULTURE.—Plant seed in hotbeds in March or early in April and transplant to coldframes as soon as large enough to handle. Plant in the open ground as soon as danger of hard frost is past. Cauliflower delights in a very rich soil, and must be thoroughly cultivated. One ounce of seed will produce 3000 to 4000 plants.

DRY WEATHER

A drought-resisting variety. A success where many others fail. This we have found to give the utmost satisfaction to growers who are situated in a particularly dry location, where it is at its best. It will not do well when neglected or on poor soil, but given good cultivation will produce pure white, solid heads that are as large as our Superior Extra Early, but matures somewhat later. Will do with less water than any other known variety and will do equally as well if it has an abundance. It is a treasure to those who before have not been able to plant this delicious vegetable. **Pkt. 25c., ¼ oz. \$1.50, oz. \$5.00.**



NOLL'S SUPERIOR EXTRA EARLY CAULIFLOWER

NOLL'S SUPERIOR EXTRA EARLY THE EARLIEST AND SUREST HEADER OF THEM ALL

In this strain of Cauliflower we feel we are offering our customers one that cannot be surpassed. It is extremely early and valuable for forcing under glass or for outdoor planting. It is desirable not only on account of its extreme earliness and certainty to produce heads, but also for its beautiful color, being pure white, very heavy and of extra fine quality. It is dwarf and compact, has short leaves and can be planted closer than most other varieties. **Pkt. 25c., ¼ oz. \$1.50, oz. \$5.00.**

EXTRA EARLY DWARF ERFURT

Extra Early Dwarf Erfurt is one of the very best varieties for field cultivation for either early or late, heading with great certainty under conditions at all congenial, producing extra large, deep, solid white "flowers." The plant is of large, sturdy, robust growth, having a strong frame with short, broad leaves which furnish ample protection to the "flower." This is of the finest quality, always clear, with even surface without any leaf growing between and unsurpassed in appearance.

For years we have held the bulk of the trade in sections where large fields of Cauliflower are grown for Eastern markets and almost entirely with this sort. **Pkt. 20c., oz. \$4.00, ¼ lb. \$15.00.**

EARLY SNOWBALL

Originally recommended and used as an early variety, but it has largely driven out the large late sorts for Fall use, being much finer in quality, and certain to head when conditions are ordinarily favorable, forming a perfect snow-white head, averaging not less than 8 inches and often attaining a size of 10 to 12 inches in diameter. It is one of the earliest of Cauliflowers. Its close-growing, compact habit enables one-third more to be planted on the same space of ground than can be done with other varieties. For forcing under glass during Winter and Spring it is well adapted, from its dwarf growth and short outer leaves. **Pkt. 20c., oz. \$3.00, ¼ lb. \$11.00.**

CAULIFLOWER is a specialty of our establishment. We do not handle any other varieties but those listed, as we deem them superior to all others.

CORN SALAD

CULTURE.—Plant during August or September in shallow drills about 1 foot apart; press ground firmly to insure good germination. For early Spring use cover during very severe weather with coarse straw or litter.

Broad Leaved. (Large seeded.) Used during the Winter and Spring months as a substitute for Lettuce; can also be cooked like Spinach. **Pkt. 5c., oz. 10c., ¼ lb. 20c., lb. 60c.**

CRESS

CULTURE.—Sow in drills about 12 to 16 inches apart, in rich ground; cultivate thoroughly. Plant early in Spring and repeat every week or 10 days for a succession. One ounce to 100 feet of drill.

EXTRA CURLED, OR PEPPER GRASS

Fine for salads; also used for garnishing. It has a very agreeable flavor. **Pkt. 5c., oz. 10c., ¼ lb. 20c., lb. 50c.**

WATER CRESS

Entirely distinct from the extra curled sort; has a round, highly flavored leaf. Makes a delightful salad. Seed should be sown along bank of running water. **Pkt. 10c., oz. 35c., ¼ lb. \$1.00, lb. \$3.50.**

CELERY

CULTURE.—Seed of Celery is frequently slow to germinate. Sow seed early in the Spring on soil that has been finely pulverized and just barely cover it. Keep it moist by frequent watering. When plants are 3 to 4 inches high, by clipping the tops you will make the plants much more stocky. Transplant in rows in shallow trenches in well-manured land until ready to set out in the garden or truck patch, then plant in trenches, 3 to 4 feet apart, about 6 inches apart in the rows. Usually about middle of June to first of July is best time to set out Celery plants. When nearly full grown start to bank up, by gathering the leaves together and drawing the soil around the plants about one-third up, and repeat in a few days until only the tops of the plant are to be seen. This is done for bleaching purposes. One ounce of seed for 5000 plants.

NOLL'S MAGNIFICENT NEW LONG-KEEPING CELERY

The Best Type of Late or Long-Keeping Celery Ever Offered

We obtained our stock seed of this variety at a very high price from a large market gardener, who has been growing only this variety for twelve years and never before could be induced to part with any of his seed at



GOLDEN SELF-BLANCHING CELERY

any price. We immediately sent it to the best Celery grower in France to grow a crop for us, who reported he was very much pleased with it. It throws a small percentage of a larger or taller growing sort, which is also very good, and as the percentage is so small we consider it no drawback. We regard this the very best type of

green Celery on the market to-day. It is late, of the finest quality, very full hearted, solid, crisp, and when bleached, of a golden yellow color. A most excellent keeper. We recommend it to market gardeners as the money-maker in Celery. **Pkt. 15c., oz. 75c., 1/4 lb. \$2.25, lb. \$8.00.**

GOLDEN SELF-BLANCHING

French Grown, Superior Stock, Unsurpassed

We have been furnishing our customers this strain of Golden Self-Blanching Celery for a number of years and it is pronounced by one and all the finest strain they have ever seen. The color is a rich golden yellow, very solid and tender, flavor is delicious, has large heart, grows medium height, and is without doubt the best early Celery on the market. The demand for our strain of this variety is increasing every year and we advise our customers to order early, as supply is limited on account of short crop. We are confident you cannot obtain anywhere a strain of Golden Self-Blanching Celery superior to our own particular selected French-grown seed. **Pkt. 10c., oz. \$1.50.**

WINTER QUEEN

A very popular Winter Celery. It is one of the very best keepers; has been taken out in good condition as late as April or May. It is very heavy, large hearted, of a sweet nutty flavor, so desirable in Celery. It makes a very attractive bunch and is a ready seller. For a late keeping variety, after Noll's Magnificent we think this is the best. **Pkt. 10c., oz. 30c., 1/4 lb. 90c., lb. \$3.00.**

GIANT PASCAL

A desirable late Fall or Winter variety, large stalk, of good nutty flavor. Blanches a good whitish color; is an excellent keeper; very popular in the South. **Pkt. 5c., oz. 25c., 1/4 lb. 60c., lb. \$2.25.**



NOLL'S MAGNIFICENT CELERY

CELERY—Continued**PERFECTED WHITE PLUME**

A very popular early sort in many sections. It is of fine appearance, of good flavor and, for early use, a very desirable variety. As it fully matures the leaves turn white, requiring very little banking or earthing up to fit it for use. We have a very select strain of this variety, pronounced as nearly perfect as any on the market. **Pkt. 10c., oz. 30c., ¼ lb. 80c., lb. \$3.00.**

GOLDEN DWARF

An old standard variety, of good quality. Produces large, full stalks; blanches a good color; keeps well. **Pkt. 10c., oz. 25c., ¼ lb. 75c., lb. \$2.50.**



LARGE SMOOTH DWARF MOONARCHIE CELERIAC

NEW ROSE

A red variety of good flavor; color a beautiful rose shade; excellent keeper; the best of the red or Rose Celeries. **Pkt. 10c., oz. 35c., ¼ lb. \$1.00, lb. \$3.50.**

SOUP CELERY

(Old Seed)

Used for flavoring. **Pkt. 5c., oz. 10c., ¼ lb. 15c., lb. 35c.**



PERFECTED WHITE PLUME CELERY

CELERIAC, OR TURNIP-ROOTED CELERY**LARGE SMOOTH DWARF MOONARCHIE**

This strain is superior in many respects to the older varieties, as it is fine-grained, free from the side-roots which are usually found on most varieties, has a short top and produces a large bulb or knob. It is of a fine quality and good keeper. **Pkt. 10c., oz. 25c., ¼ lb. 75c., lb. \$2.50.**

LARGE SMOOTH PRAGUE

One of the largest smooth skin varieties grown, exceptionally free from side roots. A very desirable sort for main crop; roots are almost globe shaped; flavor is of the best; we consider it one of the best of the Turnip-Rooted Celeries. **Pkt. 5c., oz. 15c., ¼ lb. 50c., lb. \$1.75.**

CHERVIL

Curled. A very beautiful hardy annual, used for flavoring and garnishing; sown in Spring, ready for use in 6 or 8 weeks. **Pkt. 5c., oz. 10c., ¼ lb. 30c., lb. \$1.00.**

CHICORY

Large Rooted, or Coffee. The roots when dried are used as a substitute or adulterant for coffee. Sow early in Spring, in drills and thin to 6 inches in the rows. **Pkt. 5c., oz. 10c., ¼ lb. 35c., lb. \$1.00.**

COLLARDS

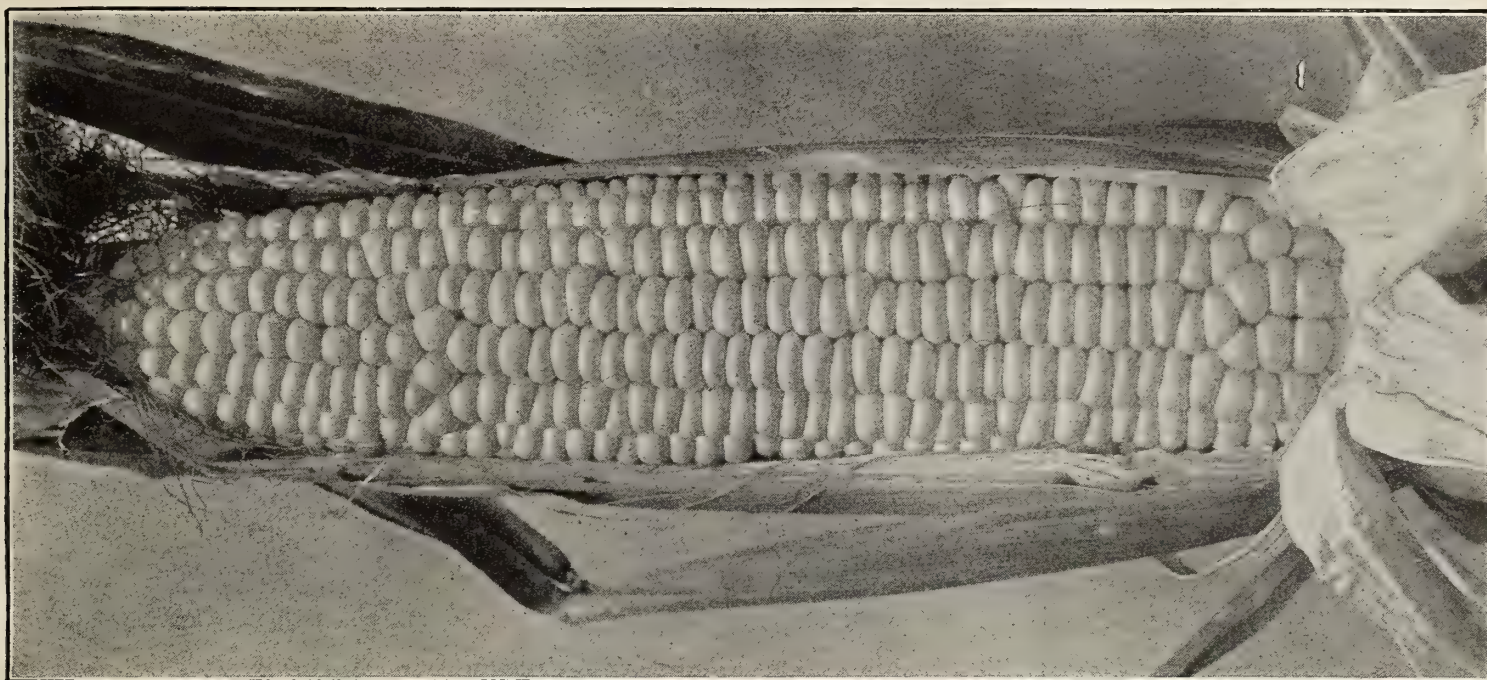
True Georgia. Used as greens and for stock feeding. Sow in drills and thin out to 2 or 3 feet apart in the row. **Pkt. 5c., oz. 10c., ¼ lb. 30c., lb. \$1.00.**



TRUE GEORGIA COLLARDS



CURLED CHERVIL



NOLL'S NEW EARLY CORN—HALF ACTUAL SIZE

SWEET CORN

NOLL'S NEW EARLY

We offer this variety for the first time this season after two years' trial and know it will please all who want early Corn. While not as early as Red or White Cory it is a much larger ear. In size it compares with Perry's Hybrid, but is much earlier. Grows very small fodder, not much over six feet, with two or more ears to a stalk. Everyone growing Corn should give this sort a trial. **Pkt. 15c., pt. 45c., qt. 65c.,** postpaid. By express or freight, not prepaid: **Qt. 50c., pk. \$2.50, bus. \$8.00.**

NOLL'S EARLY EXPRESS

The Best Extra Early Corn on the Market. Good Quality, Extra Earliness and Productiveness are Combined in this New Corn

The earliest of all the true Sweet Corns. Good-sized ear for such an early sort; it is the first in market, therefore commands the very highest prices. Try this variety this year and surprise your neighbors. **Pkt. 10c., pt. 25c., qt. 45c.,** postpaid. By express or freight, not prepaid: **Qt. 35c., pk. \$1.50, bus. \$5.00.**

RED COB CORY

One of the favorite extra-early sorts. Very dwarf, often two ears to the stalk. Matures in 65 to 70 days from planting. Quality good for such an early variety. **Pkt. 10c., pt. 20c., qt. 35c.,** postpaid. By express or freight, not prepaid: **Qt. 25c., pk. \$1.25, bus. \$4.00.**

WHITE COB CORY

Very similar to the Red Cob Cory, excepting it has a white cob and white kernels. **Pkt. 10c., pt. 20c., qt. 35c.,** postpaid. By express or freight, not prepaid: **Qt. 25c., pk. \$1.25, bus. \$4.00.**

KENDALL'S EARLY GIANT

Ears large, having 10 to 12 rows, pure white, sweet, tender, and very prolific; matures as early if not earlier than any of the second-earlies. A very popular variety. **Pkt. 10c., pt. 20c., qt. 35c.,** postpaid. By express or freight, not prepaid: **Qt. 25c., pk. \$1.25, bus. \$4.50.**

CULTURE.—Thrives best on a rich, warm soil, sod land, or where Clover has been turned under. Plant after danger from frost is passed, in hills 3x3 feet apart, or for larger varieties 3x4 feet apart; drop 6 to 8 grains per hill and thin out to not over 3 stalks to the hill. Keep ground well cultivated. Plant at the rate of one quart for 200 hills, six to eight quarts per acre.

PREMO

Claimed by the originator to be the earliest of all. It is no doubt a most desirable sort among the first-early sorts. Large-sized ear of good quality. **Pkt. 10c., pt. 25c., qt. 45c.,** postpaid. By express or freight, not prepaid: **Qt. 35c., pk. \$1.50, bus. \$4.50.**

EARLY MINNESOTA

An old standby, considered by many the best of the extra-earlies. **Pkt. 10c., pt. 20c., qt. 35c.,** postpaid. By express or freight, not prepaid: **Qt. 25c., pk. \$1.25, bus. \$4.00.**

EARLY MAMMOTH

A very large-eared variety for an early Corn; quality good. Very popular with market gardeners. **Pkt. 10c., pt. 20c., qt. 35c.,** postpaid. By express or freight, not prepaid: **Qt. 25c., pk. \$1.25, bus. \$4.00.**

EARLY CHAMPION

A fine second or medium-early. Produces large and attractive ears, sweet, white and tender. **Pkt. 10c., pt. 20c., qt. 35c.,** postpaid. By express or freight, not prepaid: **Qt. 25c., pk. \$1.00, bus. \$3.75.**

PERRY'S HYBRID

A very popular second-early, producing good-sized, well filled ears of sweet and tender quality. **Pkt. 10c., pt. 20c., qt. 35c.,** postpaid. By express or freight, not prepaid: **Qt. 25c., pk. \$1.25, bus. \$4.00.**

METROPOLITAN

A few days later than the Cory, ears larger and of better quality. One of the best extra-early sorts. **Pkt. 10c., pt. 20c., qt. 35c.,** postpaid. By express or freight, not prepaid: **Qt. 25c., pk. \$1.25, bus. \$4.00.**

GOLDEN BANTAM

A new variety of great merit. It is yellow in color but very sweet, ears are small, well filled out at ends. A very valuable variety for the home garden for first crop. **Pkt. 10c., pt. 25c., qt. 45c.,** postpaid. By express or freight, not prepaid: **Qt. 35c., pk. \$1.50, bus. \$5.00.**

SWEET CORN—Continued**BLACK MEXICAN**

The grain when dry is black. In an edible state is white and is without question the sweetest of all the early varieties. We consider it one of the best for family use. Grows a good fodder and a large ear. **Pkt. 10c., pt. 20c., qt. 35c.,** postpaid. By express or freight, not prepaid: **Qt. 25c., pk. \$1.25, bus. \$4.50.**

STOWELL'S EVERGREEN

We doubt if there is a seed catalogue published that does not contain this old and famous Corn. We have always taken great pride in our strain of Evergreen and feel we cannot recommend it too highly for the main crop, whether for market or home use. Ears are very large, very deep grains and remarkably sweet. It remains longer in a green state than any other. **Pkt. 10c., pt. 20c., qt. 35c.,** postpaid. By express or freight, not prepaid: **Qt. 25c., pk. \$1.25, bus. \$4.00.**

COUNTRY GENTLEMAN, OR SHOE PEG

After Stowell's, this is the best of the late Corns. The ears are large and well filled with irregular grains which are very deep and of a sugary flavor. This is a very prolific variety, 2 to 3 ears frequently on one stalk. A very popular sort for hotel trade and fancy grocers, as well as for home use. **Pkt. 10c., pt. 25c., qt. 45c.,** postpaid. By express or freight, not prepaid: **Qt. 35c., pk. \$1.25, bus. \$4.50.**

LONG ISLAND BEAUTY

A most prolific variety, quality extra good. One of the most desirable sorts for late planting. A great favorite with Long Island market gardeners; one of the ready sellers in the New York markets. **Pkt. 10c., pt. 25c., qt. 45c.,** postpaid. By express or freight, not prepaid: **Qt. 35c., pk. \$1.50, bus. \$5.00.**

LATE MAMMOTH

This grows, as its name implies, a mammoth ear, but of the best quality, sweet and very tender. It is planted in many sections as the best of the late sorts. We have had customers write: "The only fault with your late Mammoth Corn is, it grows ears too large." Fodder is very tall and heavy, grows frequently 8 feet high. **Pkt. 10c., pt. 20c., qt. 35c.,** postpaid. By express or freight, not prepaid: **Qt. 35c., pk. \$1.25, but. \$4.00.**

MOONARCHIE

About as late as Evergreen. Produces very large ears; very popular with our market garden trade. **Pkt. 10c., pt. 25c., qt. 40c.,** postpaid. By express or freight, not prepaid: **Qt. 30c., pk. \$1.25, bus. \$4.50.**

WHITE EVERGREEN

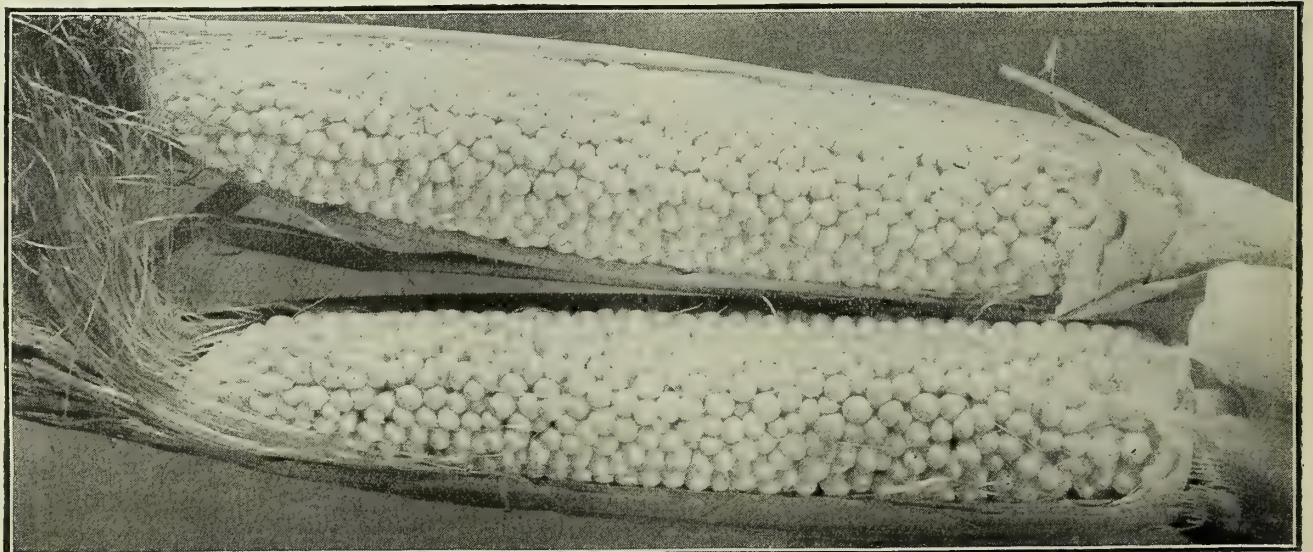
Claimed by the introducer to be superior to the old and reliable Stowell's Evergreen. Grain pure white, quality excellent, ears and fodder large. **Pkt. 10c., pt. 20c., qt. 35c.,** postpaid. By express or freight, not prepaid: **Qt. 25c., pk. \$1.25, bus. \$4.50.**

POP CORN**Queen's Golden.**

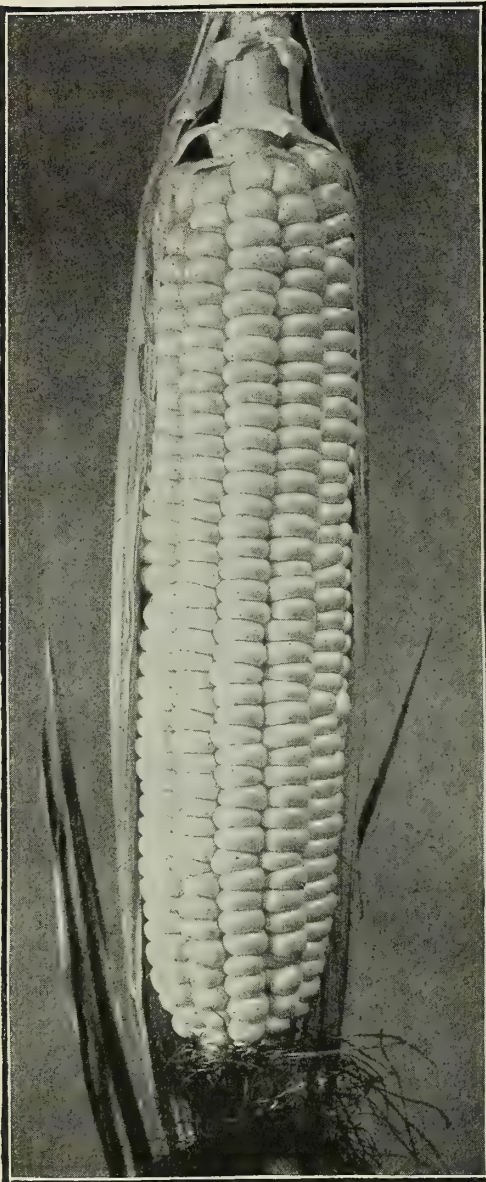
A very handsome yellow sort, pops pure white. Very large and excellent quality.

White Rice. This is the old standard variety. Kernels long and pointed and cannot be surpassed for parching. We recommend this sort as the very best.

Any of the above Pop-Corns: **Pkt. 10c., pt. 20c., qt. 35c.,** postpaid. By express or freight, not prepaid: **Qt. 25c., pk. \$1.25, bus. \$4.**



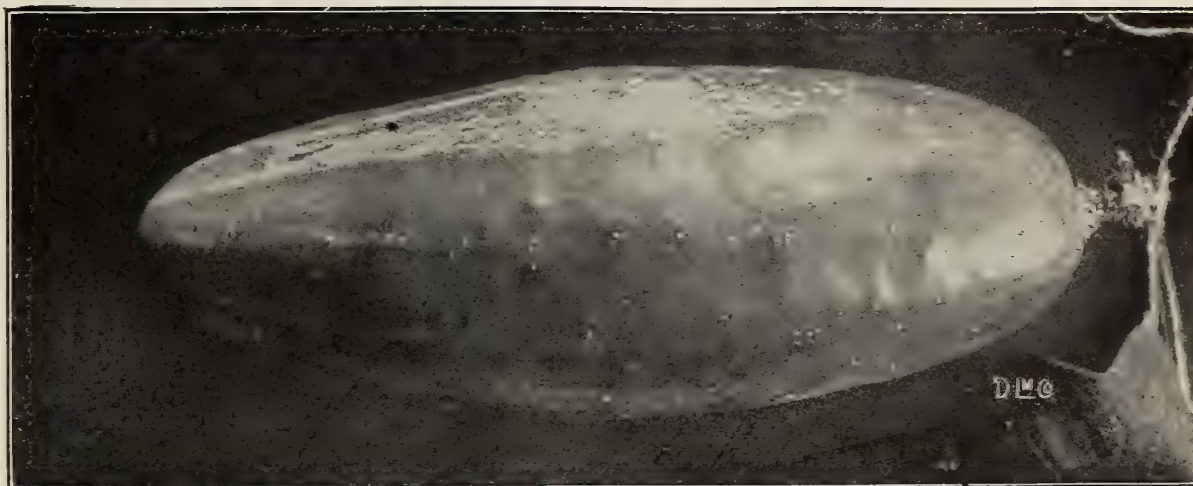
COUNTRY GENTLEMAN, OR SHOE PEG CORN



STOWELL'S EVERGREEN CORN

CUCUMBERS

CULTURE.—Plant in well enriched soil, using an abundance of well-rotted manure. Plant about 1 inch deep, in hills 4 to 6 feet apart each way, dropping 10 to 12 seeds per hill. When well up, thin out to 3 or 4 per hill. Cucumbers are subject to insect attacks, particularly the striped beetle; they usually attack them as soon as they appear above the soil. This can be prevented by dusting them with air-slacked lime, chimney soot or wood ashes mixed with fine dirt. Use 1 ounce of seed to 50 hills, two to three pounds per acre.



NOLL'S EARLY PROLIFIC WHITE SPINE CUCUMBER

NOLL'S EARLY PROLIFIC WHITE SPINE

The Very Best Type of the White Spine Family. A Heavy Cropper, Early and a Money-Maker

It is one of the most vigorous, strong and robust growers. Fruits are even size, very handsome shape, measuring about 8 to 9 inches in length, and are of a dark green color. The fruits are close to the hill, and are excellent for slicing. Our Southern friends will find it admirably adapted to their wants. **Pkt. 5c., oz. 15c., ¼ lb. 50c., lb. \$1.50.**



FORDHOOK FAMOUS CUCUMBER

DAVIS' PERFECT

This Variety as it Becomes Better Known is Driving Other Sorts Out of the Market. We Predict a Great Future for this Sort.

It is in color a glossy green; shape slim, symmetrical, with an average length of 10 to 12 inches. The quality is fine and of exceptionally good flavor. Another strong point of merit is its shipping qualities; it seems to hold its color and brittleness long after being cut. It is a very strong grower and is able to resist the Cucumber disease. This Cucumber can be used under glass as well as for growing out of doors. Claimed to cut from 30 to 50 per cent. more Cucumbers from the vines of this variety than any other. **Pkt. 10c., oz. 20c., ¼ lb. 60c., lb. \$2.00.**

GIANT PERA

A Cucumber of peculiar type; it is early and prolific; fruit is straight, very smooth and round. Color is a light green. Flesh is crisp and white, of good quality. Has small seed cavity. **Pkt. 10c., oz. 20c., ¼ lb. 50c., lb. \$1.50.**

COOL AND CRISP

A very early and prolific variety. Fruit is long and good shape, dark green in color; it shows knobs bearing spines more than most varieties. It is a good home variety as well as an attractive market sort. **Pkt. 5c., oz. 15c., ¼ lb. 40c., lb. \$1.25.**

EXTRA EARLY GREEN PROLIFIC

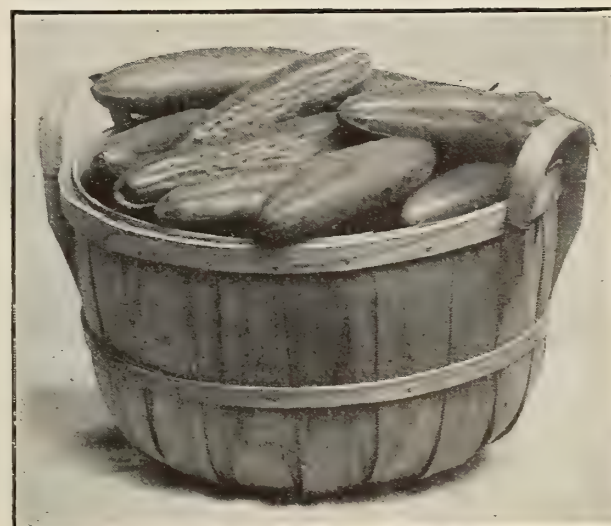
A very desirable pickling sort, dark green in color, handsome and attractive. It is very early, extremely prolific; one of the best for pickles, as it grows of a very uniform size and shape. It is also a very desirable variety for early market use. **Pkt. 5c., oz. 15c., ¼ lb. 40c., lb. \$1.25.**

WEST INDIA GHERKIN

A small variety about 2 inches long, used exclusively for pickling; very productive. **Pkt. 10c., oz. 25c.**

FORDHOOK FAMOUS

An extra long Cucumber of the White Spine family; it is smooth, straight and very handsome in appearance; skin is dark; flesh is a greenish white, very firm and crisp. It is very prolific; a good keeping and excellent shipping variety. We are very sure our customers will be pleased with this variety. **Pkt. 5c., oz. 15c., ¼ lb. 50c., lb. \$1.75.**



DAVIS' PERFECT CUCUMBER

CUCUMBERS—Continued**IMPROVED ARLINGTON WHITE SPINE**

This is one of the most popular sorts and is grown extensively in the Southern States for Northern markets. The fruits are very crisp and tender, of good color and appearance. It is very prolific. As a shipper there are few varieties that can compare with it. We sell thousands of pounds of this variety every year and our stock is the best to be had. **Pkt. 5c., oz. 15c., ¼ lb. 40c., lb. \$1.25.**

MATCHLESS EXTRA EARLY LONG WHITE SPINE

This is another type of the White Spine family. It is longer than the Improved Arlington, darker in color and a good cropper. Produces attractive fruit. A very good variety for market as well as for the home garden. **Pkt. 5c., oz. 15c., ¼ lb. 40c., lb. \$1.25.**

BOSTON PICKLING

Used extensively in the Boston markets. A medium long variety, very prolific and early. A very good variety for pickling purposes. **Pkt. 5c., oz. 15c., ¼ lb. 40c., lb. \$1.25.**

CHICAGO PICKLING

A very prolific pickling sort but not quite as early as the Boston pickling. Largely used around Chicago markets where it is in great demand. **Pkt. 5c., oz. 15c., ¼ lb. 40c., lb. \$1.25.**

EVERGREEN WHITE SPINE

This variety grows fruit 10 to 12 inches in length and of rather large diameter. It is an early and vigorous grower. More blight proof than any of the longer sorts. Color a dark green. In shape it is straight and smooth. A very good flavor, which makes it a very good variety for home use as well as for the market. **Pkt. 5c., oz. 15c., ¼ lb. 40c., lb. \$1.25.**



IMPROVED ARLINGTON WHITE SPINE CUCUMBER

EARLY GREEN CLUSTER

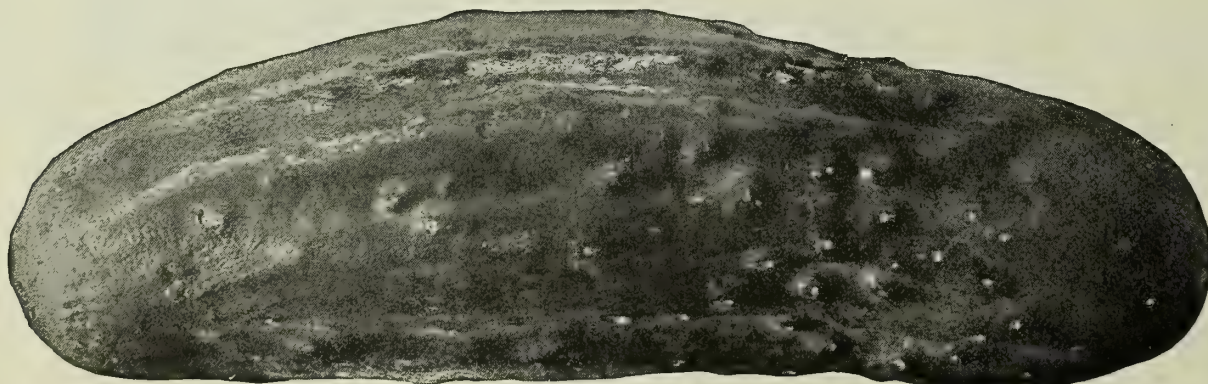
Very prolific, producing the fruits in clusters near the root of the vine. Fruit short and thicker at one end. If fruits are picked frequently, the vines continue to bear for a long season. It is a good pickling variety. **Pkt. 5c., oz. 15c., ¼ lb. 40c., lb. \$1.25.**

IMPROVED LONG GREEN

Produces very long, attractive fruits; not quite as early as the White Spine varieties of the early kinds. It is one of the most popular kinds for pickling. Well and favorably known in all sections of the country. **Pkt. 5c., oz. 15c., ¼ lb. 40c., lb. \$1.25.**

JAPANESE CLIMBING

Can be grown on trellis, producing fruits of dark green color and good quality. This variety is a desirable sort for growing where space is limited, as it does better if grown on a pole or trellis than if grown on the ground. **Pkt. 10c., oz. 25c.**



MATCHLESS EXTRA LONG WHITE SPINE CUCUMBER

**For
1912
Special
Offer
See page 51**

DANDELION

CULTURE.—Sow early in the Spring in rows 18 inches apart. When plants are well started thin out to 10 in. apart. One ounce to 200 feet drill.

Common or French. The popular sort; makes most excellent greens; very healthful. A great improvement on the wild Dandelion. **Pkt. 10c., oz. 40c., ¼ lb. \$1.25, lb. \$4.00.**

EGG PLANT

CULTURE.—Seed are of slow germination, require moderate amount of heat. Should be started in hotbeds and not checked after starting to grow. When 2 or 3 inches high they should be potted in 3-in. pots and not set out in the open until nights are warm. Plant in rich soil for best results. Plant about 3 feet apart and keep well watered. One ounce of seed will produce about 1000 plants.

BLACK BEAUTY

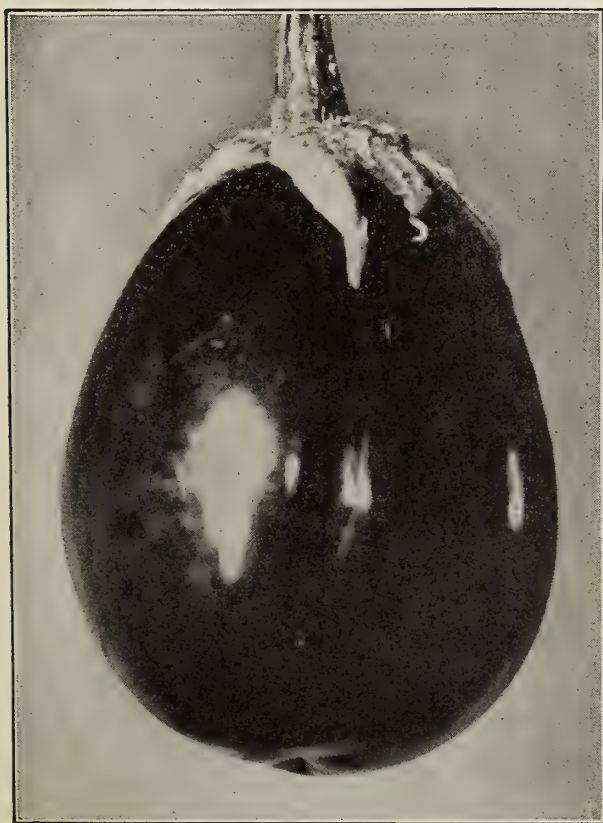
This new variety is an excellent market sort. It is about the same size and shape as the New York Improved, except a little fuller at the top; is a few days earlier and a heavier yielder. Its color is a rich purplish black, which it retains even after becoming dead ripe. True stock. **Pkt. 10c., oz. 50c., ¼ lb. \$1.50, lb. \$5.00.**

NEW JERSEY IMPROVED Large Smooth Stem Dark Purple

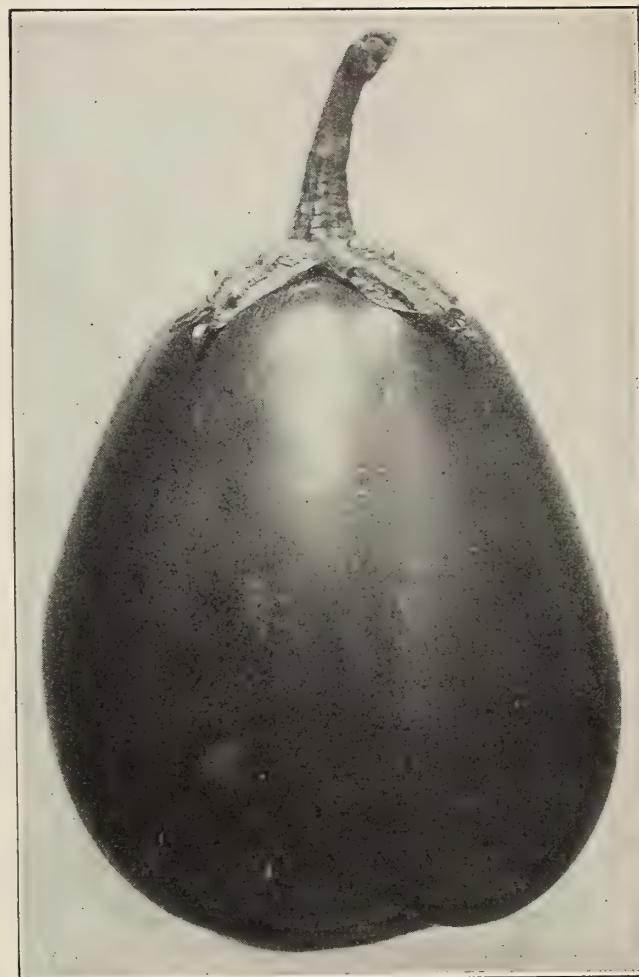
Market gardeners and shippers will find this variety the best in cultivation. The habit of the plant is low and branching, and it is quite free from spines. Leaves of a light green shade. Fruit early, very large, oval and of a fine deep purple. Flesh very white, tender and of superior quality. **Pkt. 10c., oz. 45c., ¼ lb. \$1.25, lb. \$4.50.**

NEW YORK IMPROVED SPINELESS PURPLE

A very popular variety in many locations. Fruit is large, entirely free from thorns or spines, of very good purple color. An old well-tried variety and until the Black Beauty and New Jersey Improved were introduced, more largely planted than any other. We have a very choice strain of this sort. **Pkt. 10c., oz. 45c., ¼ lb. \$1.00, lb. \$4.50.**



NEW JERSEY IMPROVED EGG PLANT



BLACK BEAUTY EGG PLANT

ENDIVE

CULTURE.—Sow early in April for early crop, but is usually used as a late Fall crop. Sow seed in June or July in drills 15 to 20 inches apart and thin out to 1 foot apart in the drills. To blanch the heart tie outer leaves together. One ounce to 150 feet of drill.

BROAD-LEAVED BATAVIAN (Escarolle)

Has broad, thick, slightly wrinkled leaves, forming a large head which is preferred for stews and soups; but if the leaves are gathered and tied at the top, the whole plant will blanch nicely and make an excellent salad. **Pkt. 5c., oz. 20c., ¼ lb. 50c., lb. \$1.50.**

MAMMOTH GREEN CURLED

NOLL'S SELECTED STRAIN

This beautiful and valuable variety is much superior to the old Green Curled and grows 15 to 20 inches in diameter. The leaves are very crisp, tufty and full in every stage of growth. The mid-rib is pure white, very heavy, thick, fleshy and tender. It is equally suitable for Spring, Summer or Autumn planting, being extremely hardy. **Pkt. 5c., oz. 20c., ¼ lb. 60c., lb. \$2.00.**

MAMMOTH GREEN BORDEAUX CURLED

Very large valuable new sort, attaining a diameter of 22 inches. Leaves beautifully curled, tender, of an attractive green color and blanches easily. The center is very close and full. Excellent late variety. **Pkt. 5c., oz. 20c., ¼ lb. 60c., lb. \$2.00.**

KALE, OR BORECOLE

CULTURE.—Plant in early Spring for early crop; for late crop plant in August or September, in rows $2\frac{1}{2}$ feet apart, and thin to 5 to 10 inches apart in rows according to variety planted. One ounce of seed to 300 feet of row, four pounds per acre.

NORFOLK DWARF GREEN CURLED SCOTCH

This is one of the best Kales for Spring sowing in the North, and is the principal sort grown in the South for Northern markets. It is hardy and will remain over Winter in any place where the temperature does not go below zero. The habit is very dwarf and spreading, and will rarely exceed 18 inches in height. The leaves are of a bright green color, beautifully curled and produced in great abundance. **Pkt. 5c., oz. 10c., $\frac{1}{4}$ lb. 20c., lb. 75c.**

NEW IMPERIAL LONG-STANDING, OR EARLY BLUE CURLED

A beautiful curled and crimped sort, of strong, vigorous habit, perfectly hardy, dark green color, and very attractive appearance. Superior to all other sorts and will stand longer without shooting to seed than any other. **Pkt. 5c., oz. 10c., $\frac{1}{4}$ lb. 20c., lb. 75c.**

Siberian. Green, curly leaves; tender and of delicate flavor. **Pkt. 5c., oz. 10c., $\frac{1}{4}$ lb. 20c., lb. 60c.**

Brown German Curled, or Purple. Purplish, curly leaves. **Pkt. 5c., oz. 15c., $\frac{1}{4}$ lb. 30c., lb. \$1.00.**

KOHL-RABI

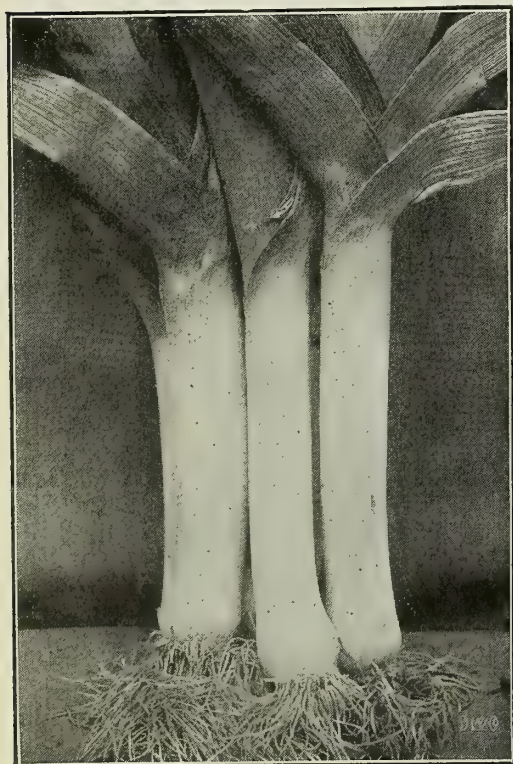
CULTURE.—Sow seed in light, rich soil, early in the Spring, in drills 16 inches apart, and when well grown thin out to 8 to 10 inches apart in the rows. For Fall use plant latter part of July. One ounce of seed to 200 feet of drill.

New Smooth White Short-Leaved. Owing to the increasing demand for this popular European vegetable, many gardeners have added it to their

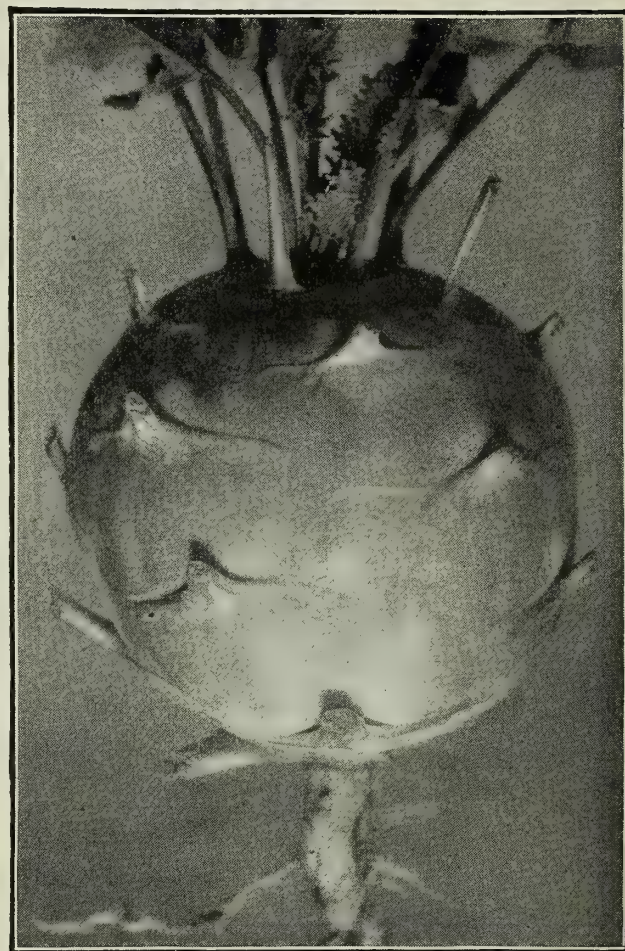
crops. After several years' comparative tests we find this new sort decidedly the best for market and table use, being much superior to Vienna. It is very early and best for forcing, as well as for outside growth. Bulb is greenish white, good shape, smooth and of the very finest texture and quality. **Pkt. 5c., oz. 25c., $\frac{1}{4}$ lb. 60c., lb. \$2.25.**

Early White Vienna. Large, quick-growing; greenish white skin and tender white flesh. **Pkt. 5c., oz. 20c., $\frac{1}{4}$ lb. 60c., lb. \$2.25.**

Early Purple Vienna. The outside color is purple; flesh white and delicate. **Pkt. 5c., oz. 25c., $\frac{1}{4}$ lb. 60c., lb. \$2.25.**



MUSSELBURG LEEK



NEW SMOOTH WHITE SHORT-LEAVED KOHL-RABI

LEEK

CULTURE.—Sow seed about same time as Onion. When plants are 2 to 3 inches high transplant into beds in rows 2 to 3 feet apart, plants 4 to 5 inches apart. One ounce of seed to 100 feet of row, four pounds per acre.

NEW GIANT ITALIAN WINTER

This is by far the best variety. It grows long and thick, and is unusually fine grained, tender and hardy. The foliage is of a dark, glossy green, keeps well and will yield double the quantity per acre of any other sort. **Pkt. 5c., oz. 15c., $\frac{1}{4}$ lb. 50c., lb. \$1.50.**

IMPROVED AMERICAN FLAG

Selected stock. A good early variety with light green leaves. It is not as thick as Giant Italian, but grows taller. **Pkt. 5c., oz. 15c., $\frac{1}{4}$ lb. 50c., lb. \$1.50.**

MUSSELBURG, OR SCOTCH CHAMPION

A large-growing flat-leaved variety, immense stems 6 to 8 inches long. **Pkt. 5c., oz. 15c., $\frac{1}{4}$ lb. 50c., lb. \$1.50.**

LETTUCE

CULTURE.—For general use sow in hotbeds in March. When about 3 inches high transplant into boxes to harden off, then plant in rows, allowing from 6 inches to 1 foot between plants according to variety planted. For Winter use sow under glass from October to February and thin out to allow plenty of room between plants. Keep moderately warm, give light and air. One ounce of seed will produce from 2000 to 2500 plants.

BIG BOSTON

Probably Better Known and More Largely Planted Than Any Other Variety. The Market Gardener's Favorite

Heads of good size, just right for the market gardener. Very solid with broad leaves; the best for outdoor or for forcing. Color light green, very attractive. We have made a specialty of this variety and have a stock of this most desirable and popular Lettuce that cannot be surpassed. **Pkt. 10c., oz. 20c., ¼ lb. 60c., lb. \$2.00.**

CALIFORNIA GIANT WHITE

For Spring or Fall Use. More Heads Large, Compact, Crisp and White. A Very Desirable Sort for Market Gardeners

Every plant heads, and the heads are uniformly shaped, very large and thick through, and of a solidity equal to that of a Cabbage. They measure about 7 inches across the solid head. The leaves are slightly crumpled, of a beautiful white color. It has an attractive appearance, is the best for growing in sash, and excellent as an outdoor Autumn or early Spring crop. The best variety for Southern growers. Unsurpassed for growing in low temperatures. **Pkt. 10c., oz. 20c., ¼ lb. 60c., lb. \$2.00.**



BIG BOSTON LETTUCE

KING OF THE GARDEN

Produces Enormous Heads on Soil Not Too Rich

This variety is indeed worthy of its name and we believe it is the finest we can offer our market gardeners and friends for early Spring or Fall planting. The leaves are smooth and of a beautiful light green color, which makes it a ready seller. It is the largest hard-heading variety we know of and we cannot recommend it too highly. Will give the best results in the Spring when sown in the sash and planted out. **Pkt. 10c., oz. 20c., ¼ lb. 60c., lb. \$2.00.**

PHILADELPHIA DUTCH SPECKLED BUTTER

We have a strain of this old Philadelphia favorite which is unequalled. This Lettuce is largely planted in coldframes and many gardeners and truckers claim it is the best of all for this purpose. Forms large solid heads, sweet and tender; outer leaves are dotted with brown. We cannot recommend this sort too highly. **Pkt. 10c., oz. 30c., ¼ lb. 75c., lb. \$2.75.**

GRAND RAPIDS

The Popular Greenhouse Forcing Lettuce

This loose-leaf variety is used very extensively as a forcing sort, and we doubt if a better one can be had. It stands up well, forms a large cluster of loose leaves, bright green in color, slightly crinkled. We know of no loose Lettuce that will stand shipping and arrive in as good condition as this popular sort. **Pkt. 5c., oz. 15c., ¼ lb. 50c., lb. \$1.50.**

DEACON

Largely used for coldframes. Heads solid, rich and good quality; light green color. **Pkt. 5c., oz. 15c., ¼ lb. 50c., lb. \$1.50.**

MAMMOTH BLACK-SEEDED BUTTER

Produces enormous heads but very crisp and tender. A good sort for Spring or Fall planting. Our orders for this variety are increasing each year. **Pkt. 5c., oz. 15c., ¼ lb. 50c., lb. \$1.75.**

YELLOW-SEEDED BUTTER

A distinct yellow-headed sort, of good quality and fine appearance. **Pkt. 5c., oz. 15c., ¼ lb. 50c., lb. \$1.75.**

HANSON

A favorite variety for the family garden. Is very sweet, tender and crisp, has few outer leaves, very slow to run to seed. We recommend this variety to the private planter as one of the most desirable sorts. **Pkt. 5c., oz. 15c., ¼ lb. 50c., lb. \$1.50.**

CALIFORNIA CREAM BUTTER

Forms large solid heads, leaves marked with reddish-brown. The quality of this Lettuce is hard to beat. A great favorite in many sections. **Pkt. 5c., oz. 15c., ¼ lb. 50c., lb. \$1.50.**



THE TWENTIETH CENTURY LETTUCE

TWENTIETH CENTURY

This variety is one of the best sorts for Summer use as its tendencies for resisting heat and drought make it well adapted for this purpose. It is larger than Salamander, stands more heat and is a finer color. Is sure to please every market gardener and is a fine variety for the home garden as well. **Pkt. 10c., oz. 20c., ¼ lb. 60c., lb. \$2.00.**

MAMMOTH SALAMANDER

Very popular for Summer use. It grows a large head and is very slow to run to seed. It is very tender and crisp, very nearly white in the heart. **Pkt. 5c., oz. 15c., ¼ lb. 50c., lb. \$1.50.**

Lettuce is a specialty of our house and you should not fail to give us a trial order. Customers the country over plant our seed and always derive satisfaction.

LETTUCE—Continued

NOLL'S CHAMPION OF ALL

This variety is very popular today on account of its many good qualities. Admirable for Spring and Fall planting. Produces large, very solid heads, of a fine light green color. A very good shipper. **Pkt. 10c., oz. 25c., ¼ lb. 75c., lb. \$2.50.**

ST. LOUIS MARKET

We have been breeding up for several years a strain of this very popular Western variety, and now offer what we consider the very finest type of St. Louis Market Lettuce. It forms a fine large head, crisp and tender, very slow to run to seed. **Pkt. 10c., oz. 20c., ¼ lb. 60c., lb. \$2.00.**

MAY KING

This early, hard-heading sort is considered by many to be the very best of the earlies. It forms a compact head, light green in color, of superior quality. It is also recommended as a forcing variety, having proved itself adapted for indoor as well as outdoor culture. **Pkt. 5c., oz. 20c., ¼ lb. 50c., lb. \$1.75.**

EARLY CURLED SIMPSON

Very early, largely used for coldframes; does not form a solid head. A popular variety in the New York markets. **Pkt. 5c., oz. 15c., ¼ lb. 50c., lb. \$1.50.**

BLACK-SEEDED SIMPSON

A large, loose-leaf variety; one of the oldest and best of this class. Remains a long time fit for use. **Pkt. 5c., oz. 15c., ¼ lb. 50c., lb. \$1.50.**

COS, OR ROMAINE

Trianon Self-Closing. Cos Lettuce are becoming more popular in this country every year. Leaves long and narrow, very crisp and tender; flavor most delicious. **Pkt. 5c., oz. 15c., ¼ lb. 50c., lb. \$1.50.**



NOLL'S CHAMPION OF ALL LETTUCE

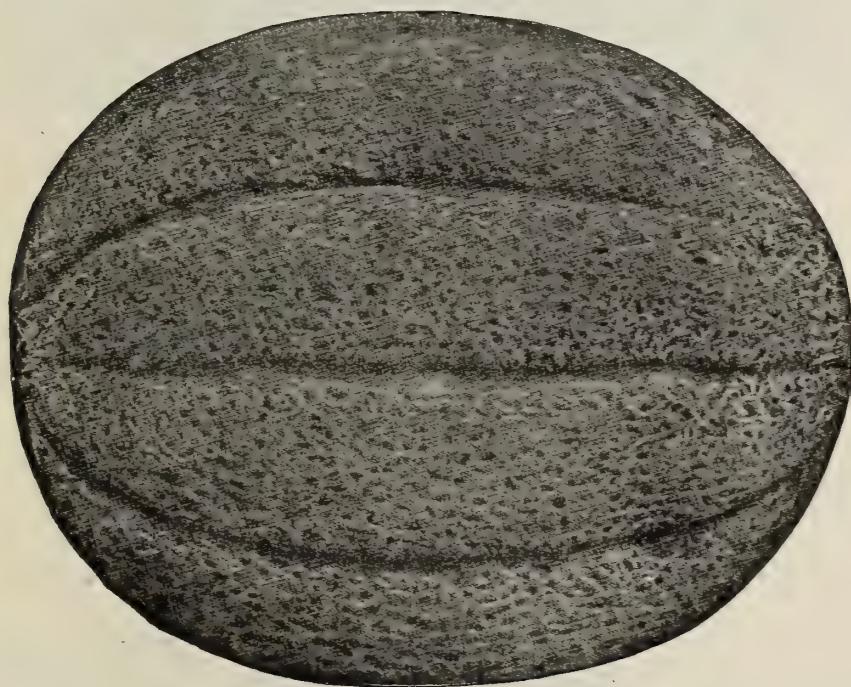
MUSKMELON, or CANTALOUPE

CULTURE.—Plant seed in hills 5 to 6 feet apart each way, 8 to 10 seeds per hill, after danger from frost is past. After plants are well up thin to 4 to the hill; keep them well cultivated until the runners are so long they cannot be hoed or cultivated. The quality of Muskmelons is affected very much by weather conditions. Melon vines are subject to attack from the striped beetle; frequent dusting with air-slacked lime, wood ashes or soot, diluted with fine soil, will act as a good exterminator; be careful not to use until mixed with soil.

MARYLAND

Considered by Our Customers Far Superior to the Very Best Strains of Rocky Ford. Earlier and More Productive

It is ten days earlier than the Rocky Ford, twice as productive and larger in size. The vines are of a strong, healthy growth, branch freely, setting a large number of fruits close to the hill. The Melons are fine and regular in size and form, nearly round or slightly oval, and very closely netted. The skin is of a light golden hue when fully ripened. Flesh bright green, luscious in flavor and ripens close to the skin. Customers who are fortunate enough to get some of this seed and who have been raising Rocky Ford Melons will not grow them again after once planting this new strain. The stock is limited. **Pkt. 10c., oz. 35c., $\frac{1}{4}$ lb. \$1.00, lb. \$3.50.**



MARYLAND MUSKMELON

NOLL'S GOLDEN JERSEY

The Ideal Yellow-fleshed Rocky Ford or Netted Gem

We are confident that as soon as this Melon is better known it will take the place of all other orange-fleshed Melons, for the following reasons: *Its splendid eating qualities, very thick flesh, small seed cavity, beautiful appearance in crate or basket or when on the table, and its prolificness.* It is finely netted, a good shipper (can be shipped long distances, arriving in perfect condition), shaped like the Netted Gem or Rocky Ford. We recommend this variety as the best of all yellow-fleshed Melons. We want all Melon growers to give this variety a trial, as we feel very sure it is the very best of all the yellow-fleshed Melons on the market. **Pkt. 15c., oz. 50c., $\frac{1}{4}$ lb. \$1.50, lb. \$5.00.**

BURRELL'S GEM

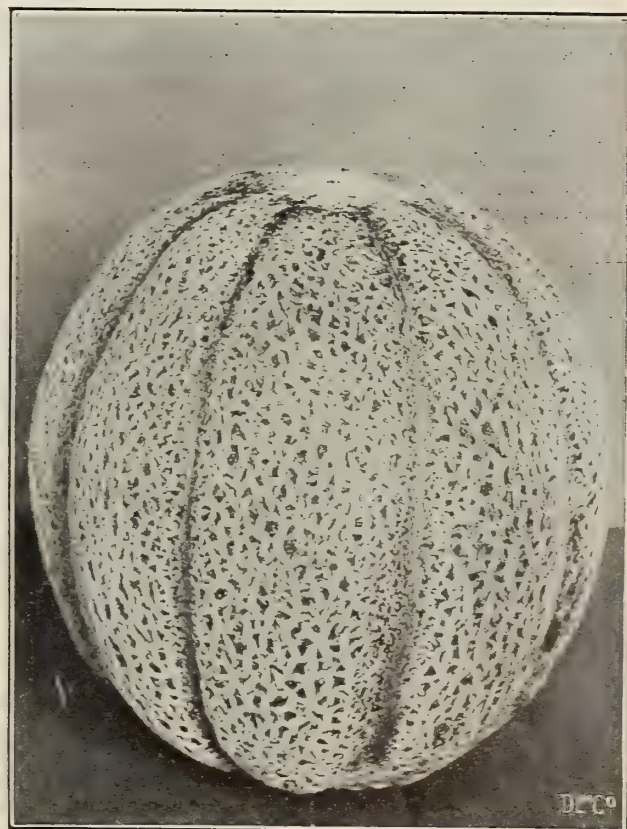
Originated in Rocky Ford, Colorado, the home of the celebrated Rocky Ford Melons. This is very similar to Rocky Ford, excepting it has a yellow- or salmon-colored flesh instead of the green flesh. It grows to a very desirable size, is closely netted, slightly ribbed, with a dark green skin. The flavor is all that can be desired; very rich, sweet and tender. This Melon is an excellent shipper and one of the best yellow-fleshed varieties. **Pkt. 10c., oz. 25c., $\frac{1}{4}$ lb. 75c., lb. \$2.50.**



EXTRA EARLY HACKENSACK MUSKMELON

EXTRA EARLY HACKENSACK

A distinct improvement on the old Hackensack or Turk's Cap. It is much earlier, fruit smaller and nearly round, flesh green, sweet and juicy. **Pkt. 5c., oz. 15c., $\frac{1}{4}$ lb. 50c., lb. \$1.50.**



NOLL'S GOLDEN JERSEY MUSKMELON

MUSKMELONS—Continued**ROCKY FORD, OR NETTED GEM**

The Melon that Made Rocky Ford Famous

The favorite green-fleshed shipping variety. Known well and favorably wherever Melons are grown; more largely planted and shipped in larger quantities than any other sort. Oval shape, covered entirely with fine netting, slightly ribbed. Flesh green, very thick, sweet and juicy. **Pkt. 5c., oz. 15c., ¼ lb. 40c., lb. \$1.50.**

SCARLET MASTERPIECE

Resembling Emerald Gem, except it is much larger. A very heavy cropper and excellent shipper. Yellow flesh, sweet, tender and juicy. **Pkt. 10c., oz. 20c., ¼ lb. 50c., lb. \$1.75.**

JENNY LIND

A small but very delicious Melon. Fruit flattened, slightly ribbed and extremely early; in fact, the earliest of all the Muskmelons. This old but still popular variety is largely planted in New Jersey for the Philadelphia and New York markets, and is always the first to be had. **Pkt. 5c., oz. 15c., ¼ lb. 50c., lb. \$1.50.**

HACKENSACK, OR TURK'S CAP

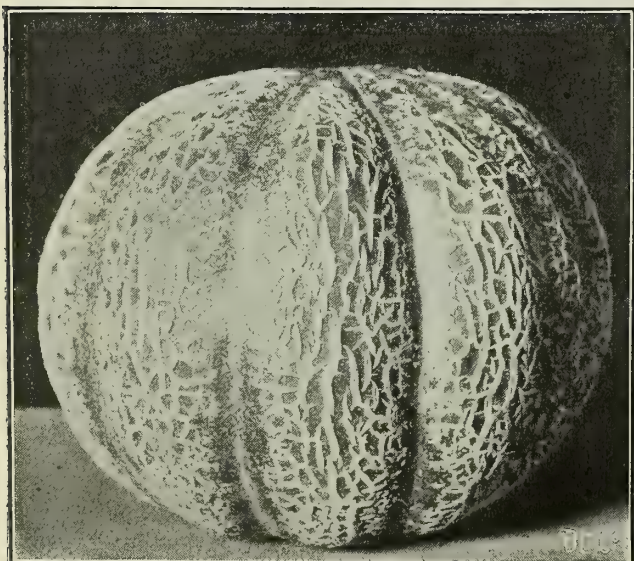
A large-fruited sort, with deep ribs, green flesh; a very old but still popular sort in many Melon districts. **Pkt. 5c., oz. 15c., ¼ lb. 50c., lb. \$1.50.**

OSAGE, OR MILLER'S CREAM

Another yellow-fleshed sort, very good as a later Melon. It has a very small seed cavity, flesh is very thick and of good quality. **Pkt. 5c., oz. 15c., ¼ lb. 50c., lb. \$1.50.**

PAUL ROSE, OR PETOSKEY

Salmon-fleshed; a cross between Netted Gem and Osage; nearly oval in shape. A good shipper and of good quality. **Pkt. 5c., oz. 15c., ¼ lb. 50c., lb. \$1.75.**



LONG ISLAND BEAUTY MUSKMELON



ROCKY FORD MUSKMELON

BALTIMORE, OR ACME

One of the good green-fleshed sorts. Fruit is of medium size, oval, slightly pointed at stem end. It is quite early, deeply netted, a good shipper, excellent eating. **Pkt. 5c., oz. 15c., ¼ lb. 50c., lb. \$1.75.**

EMERALD GEM

A Very Popular Yellow or Orange Fleshed Melon

A medium-sized Melon, slightly flattened at the ends, very lightly netted and ribbed. Skin a dark green; flesh salmon-yellow, of very fine quality. In the South and West this is the most popular of all the yellow-fleshed sorts. **Pkt. 10c., oz. 20c., ¼ lb. 60c., lb. \$2.00.**



EMERALD GEM MUSKMELON

LONG ISLAND BEAUTY

A Melon of the Hackensack type; one of the earliest of the large Melons. Flesh is green, of good quality. It is very thickly netted and a very good shipper. **Pkt. 5c., oz. 15c., ¼ lb. 50c., lb. \$1.75.**

NORFOLK BUTTON

A sport from Jenny Lind. Very early, sweet and tender. It is popular on account of its superior qualities, its earliness, prolificness and good shipping properties. **Pkt. 5c., oz. 15c., ¼ lb. 50c., lb. \$1.50.**

WATERMELONS

CULTURE.—Plant in light, sandy soil, thoroughly enriched with well-rotted manure. Plant as soon as ground becomes thoroughly warm, in hills eight feet apart each way, about eight seeds per hill. When young plants attain their third or fourth leaf, thin out to two or three of the strongest in each hill. Keep well cultivated. Four ounces of seed to 100 hills, four pounds per acre.

HARRIS' EARLIEST

The Earliest and Largest of All the Early Melons

A Very Desirable Variety for the North

We consider in this Melon we have the best of all early sorts. It is large, very sweet and tender, and one of the very best shippers we know of. Shape slightly oblong; skin is mottled green and white. We highly recommend this variety to our friends in the North, for it will ripen where other later sorts will not. **Pkt. 10c., oz. 20c., ¼ lb. 50c., lb. \$1.50.**

WONDERFUL, OR McIVER SUGAR MELON

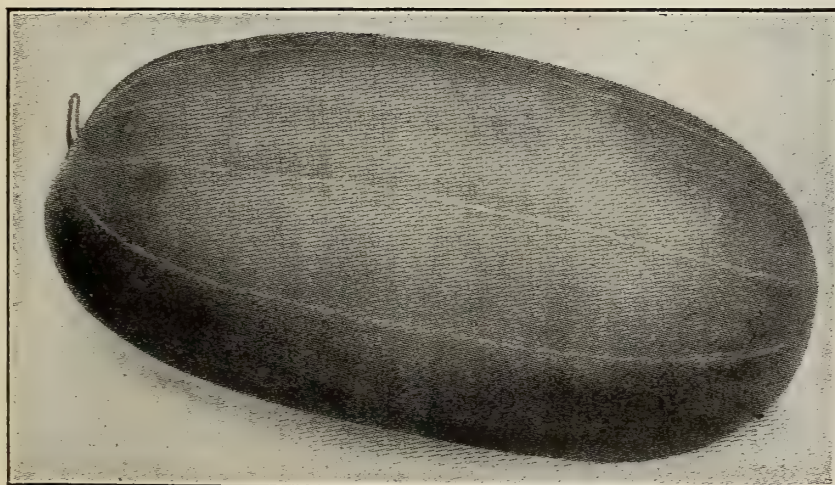
One of the very sweetest of all the Melons. Grows to a medium size, always of good shape; has mottled rind; flesh red; seeds white; is very tender fleshed; a most excellent sort for home or market. **Pkt. 5c., oz. 10c., ¼ lb. 30c., lb. \$1.00.**

COLE'S EARLY

A medium-sized dark green early Melon; flesh bright red; very good quality. **Pkt. 5c., oz. 10c., ¼ lb. 25c., lb. 75c.**

KLECKLEY SWEETS, OR MONTE CRISTO

Unequaled for the home patch or for nearby markets. Vine very productive; of the most luscious medium-sized oval Melons, with a dark green rind; flesh is bright red, sweet and tender. We do not recommend this variety for shipping, as the rind is so tender it is liable to crack. **Pkt. 5c., oz. 10c., ¼ lb. 30c., lb. \$1.00.**



KLECKLEY SWEETS WATERMELON



HARRIS' EARLIEST WATERMELON

MAMMOTH IRONCLAD

This very large mottled Melon is an old but still very popular sort. It has an exceedingly tough rind, and is therefore one of the very best shippers. The flesh is dark red, very firm but juicy and sweet. It is a fine keeper and Melons can be kept until late Fall in perfect condition. **Pkt. 5c., oz. 10c., ¼ lb. 25c., lb. 75c.**

BLACK BOULDER, OR BLACK DIAMOND

Dark green, very tough rind; grows to large size, but is always of good eating quality; a favorite in some local markets. **Pkt. 5c., oz. 10c., ¼ lb. 25c., lb. 75c.**

CUBAN QUEEN

This is another old standby. Grows to very large size; has mottled rind; a very fine shipper, prolific and profitable. Flesh is bright red, of luscious, sugary flavor. **Pkt. 5c., oz. 10c., ¼ lb. 25c., lb. 75c.**

DIXIE

A popular shipping Melon. Has a very tough rind, mottled light and dark green. Has for years been grown in very large quantities in the South for shipment to the Northern markets. Quality good; flesh red; very firm; an excellent keeper. **Pkt. 5c., oz. 10c., ¼ lb. 25c., lb. 75c.**

WATERMELONS—Continued

FLORIDA FAVORITE

Of large size, with mottled light and dark green rind; oblong in shape; has a thin but very firm rind; is an excellent shipper. Flesh bright red, juicy and very tender. This Melon is very popular with many of the large Melon growers. **Pkt. 5c., oz. 10c., ¼ lb. 25c., lb. 75c.**

DUKE JONES

Dark green with irregular lighter colored stripes; quite prolific, of good quality; dark red flesh. **Pkt. 5c., oz. 10c., ¼ lb. 25c., lb. 75c.**

ICE CREAM

Fruit long, of medium size, very light colored rind; seed white; flesh bright red; quality fine. **Pkt. 5c., oz. 10c., ¼ lb. 25c., lb. 75c.**

KOLB'S GEM

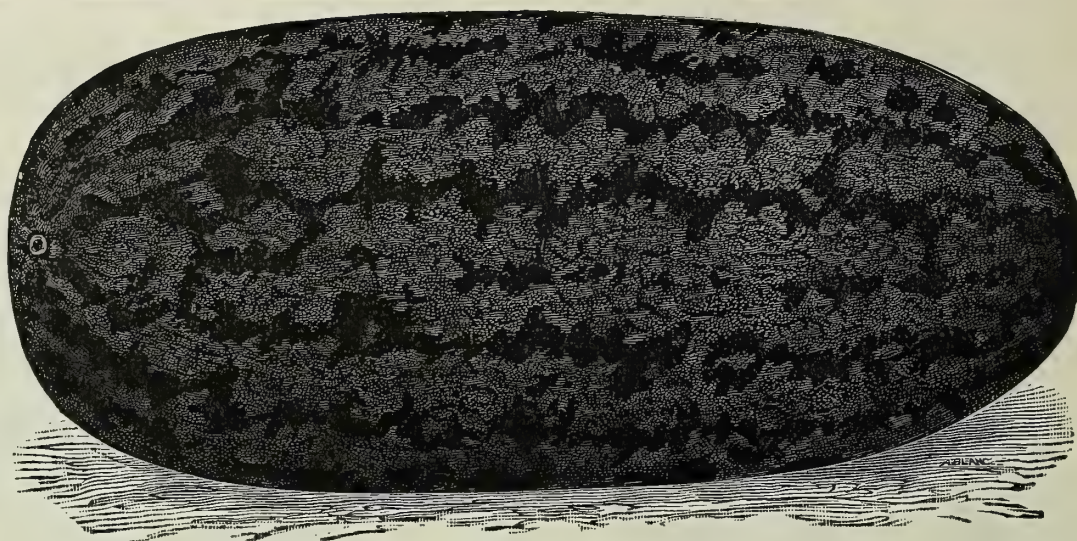
A large-sized Melon, grown for shipping purposes very extensively. Rind is very tough; flesh red, sweet and tender, although a little coarse. **Pkt. 5c., oz. 10c., ¼ lb. 25c., lb. 75c.**

GEORGIA RATTLESNAKE, OR GYPSY

A very old but still popular variety, on account of its sweet and very tender flesh. A favorite Southern Melon. Rind striped light and dark green. **Pkt. 5c., oz. 10c., ¼ lb. 25c., lb. 75c.**

SWEETHEART

A very popular shipping Melon, very productive, ripening very evenly. Fruit nearly oval in form, quite large, and very heavy. This Melon retains its good qualities longer than most others after ripening. Flesh red, firm and solid. **Pkt. 5c., oz. 10c., ¼ lb. 25c., lb. 75c.**



FLORIDA FAVORITE WATERMELON

ALABAMA SWEET

One of the very longest Melons, popular in the South. Rind dark green, slightly striped; extensively grown for shipping to markets favoring long Melons. Flesh bright red, tender and crisp. **Pkt. 5c., oz. 10c., ¼ lb. 25c., lb. 75c.**

COLORADO PRESERVING CITRON

Planted only for preserving. Round striped fruit; flesh white and very solid; makes an excellent preserve. Can supply either red or green-seeded variety. **Pkt. 5c., oz. 10c., ¼ lb. 30c., lb. \$1.00.**

MUSTARD

CULTURE.—Sow very early in Spring, in drills 18 inches apart. Cover seed half inch deep. Continue sowing about every two or three weeks, until Fall. In the South Mustard is sown in the Fall and used early the following Spring for early greens.

SOUTHERN GIANT CURLED

A crimped or frilled variety; produces large leaves; makes a very fine salad; flavor is all that can be desired. Plant in Fall for early Spring salad. A popular variety. **Pkt. 5c., oz. 10c., ¼ lb. 20c., lb. 60c.**

NEW CHINESE

Larger than most varieties. Very tender and delicious. Plants are very vigorous; leaves are large and crimped; one of the very best for salad. **Pkt. 5c., oz. 10c., ¼ lb. 20c., lb. 60c.**

WHITE, OR ENGLISH

Large leaves, not so much crimped as other sorts; quite early. **Pkt. 5c., oz. 10c., ¼ lb. 20c., lb. 60c.**

NASTURTIUM

CULTURE.—Sow in drills about one inch deep, early in Spring. One ounce of seed to 25 feet of row. Used as a flower; seed pods make a nice pickle.

Dwarf. Needs no sticks. **Pkt. 5c., oz. 10c., ¼ lb. 25c., lb. 90c.**

Tall. Should have sticks or trellis. **Pkt. 5c., oz. 10c., ¼ lb. 25c., lb. 80c.**



SWEETHEART WATERMELON



MUSHROOMS GROWN FROM PURE CULTURE SPAWN

MUSHROOMS

CULTURE directions sent with the Spawn. Can be grown in the cellar, under greenhouse benches, etc. One pound will plant eight square feet of bed.

PURE CULTURE BRAND

Produced in America by a special process. Considered to be the very best by most of the large growers. Mushroom growing is very interesting, as well as very profitable. It can be supplied in bricks only, weighing from 1 lb. to 1½ lbs. **Per brick 35c., 5 bricks \$1.50**, postpaid. By express or freight, not prepaid: **5 bricks \$1.00, 10 bricks \$1.75, 100 bricks \$16.00.**

OKRA, OR GUMBO

CULTURE.—Plant in May, in hills about 3 feet part, 4 or 5 seeds per hill. When well established, thin out to 2 plants. One ounce to 100 feet of drill, eight pounds per acre.

PERKIN'S MAMMOTH LONG-PODDED

A very large-podded variety, popular with canners and for home use. Quality very fine; plants extremely productive, of long, slender pods, which remain tender a long time. **Pkt. 5c., oz. 10c., ¼ lb. 25c., lb. 75c.**

WHITE VELVET

A medium height plant, which produces a great abundance of smooth, white pods, of very attractive appearance. **Pkt. 5c., oz. 10c., ¼ lb. 25c., lb. 60c.**

DWARF PROLIFIC

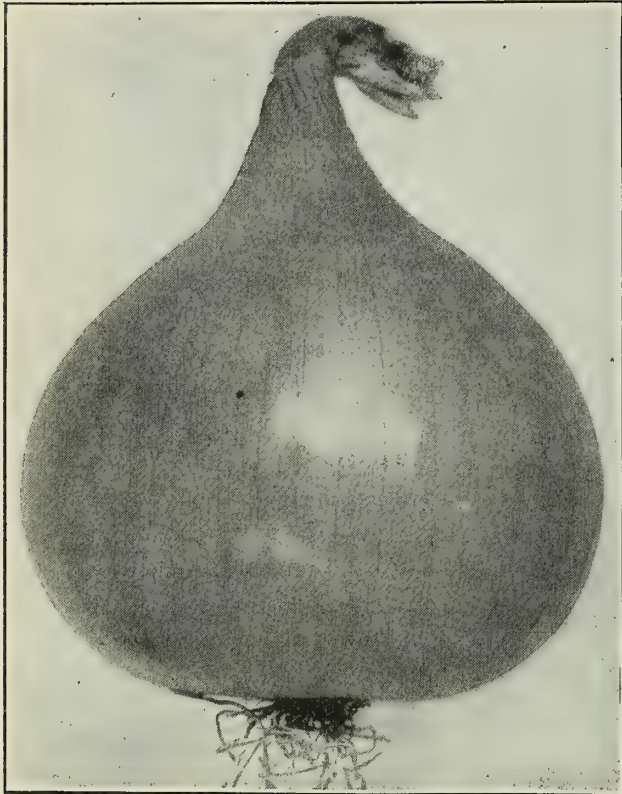
A dwarf but stocky type; long pods; very prolific. Pods are long, of a greenish white color; very thick and meaty. **Pkt. 5c., oz. 10c., ¼ lb. 20c., lb. 60c.**

LONG GREEN

Produces long, slender, green pods; very tender. Grows taller than the Dwarf Prolific; bears in great profusion. **Pkt. 5c., oz. 10c., ¼ lb. 20c., lb. 60c.**



PERKIN'S MAMMOTH LONG-PODDED OKRA



PRIZETAKER ONION

PRIZETAKER

The largest of All Yellow Onions, Resembles the Large Spanish Varieties, Flesh Sweet, Tender and Mild

This is, no doubt, the handsomest yellow Onion on the market. Grows to weigh one pound or more from the seed. Shape is nearly a globe. It is a bright straw color, has a small neck and matures early. It cannot be surpassed for home or market. **Pkt. 10c., oz. 20c., 1/4 lb. 60c., lb. \$2.00.**

SOUTHPORT YELLOW GLOBE

Similar to the Southport Red, except in color of skin, which is a rich clear yellow. **Pkt. 5c., oz. 20c., 1/4 lb. 50c., lb. \$1.75.**

SOUTHPORT RED GLOBE

All of the Southport strains of Onion are very popular on account of their perfect globe shape, uniformity, productiveness and good keeping qualities. The Red Globe is of good size, has very small neck, fine deep red color; flesh is firm, white, mild and tender. **Pkt. 5c., oz. 20c., 1/4 lb. 50c., lb. \$1.75.**

LARGE RED WETHERSFIELD

A favorite red variety; produces enormous crops, and where a red Onion of a flattened shape is desired it cannot be equaled. It is a fine keeper, bulbs of good size and very attractive appearance. We have a fine strain of this very popular variety. **Pkt. 5c., oz. 20c., 1/4 lb. 60c., lb. \$2.25.**

EXTRA EARLY RED

This is the earliest of all the Red Onions. Flat in shape, has very small neck, a good keeper and of excellent quality. A good variety for the early crop. **Pkt. 5c., oz. 20c., 1/4 lb. 60c., lb. \$2.25.**

ONIONS

CULTURE.—Onions delight in a rich loamy soil with a little clay, which should have been cultivated well for at least two years before planting the Onion. Have ground thoroughly cultivated, free from weeds and well fertilized. Plant in drills early in the Spring, about half inch deep, and well rolled as soon as planted. One ounce to 100 feet of drill, four to five pounds per acre for large Onions. For sets, use from 70 to 80 pounds per acre.

MICHIGAN, OR OHIO YELLOW GLOBE

A large yielder of nearly globe-shaped Onions. Grows to a good size; color a rich orange-yellow; flesh white and crisp. A very popular variety in many sections of the country. **Pkt. 5c., oz. 15c., 1/4 lb. 50c., lb. \$1.50.**

YELLOW DUTCH, OR STRASBURG

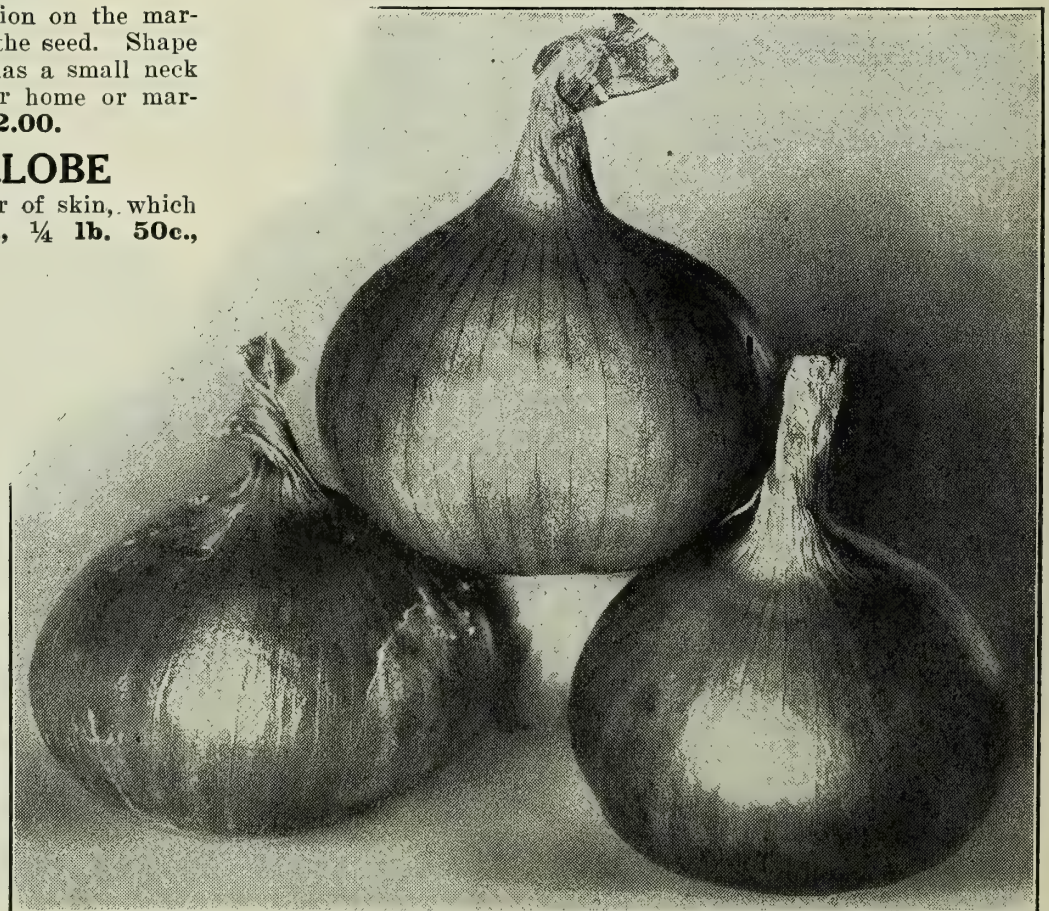
For sets, this variety cannot be surpassed. It is also popular as a market variety where a flat Onion is desired. It is a good cropper, excellent keeper and of good quality. **Pkt. 5c., oz. 15c., 1/4 lb. 50c., lb. \$1.50.**

YELLOW GLOBE DANVERS

A decided improvement on the ordinary strains of the famous Onion. This variety is probably more largely known in all sections of the country than any other sort. It grows Onions of nearly globe shape, slightly flattened, has very small neck, a heavy yielder, of good keeping qualities; an Onion to be depended on in all climates. **Pkt. 5c., oz. 15c., 1/4 lb. 50c., lb. \$1.50.**

ROUND YELLOW DANVERS

This variety is similar to Yellow Globe Danvers, excepting it is a little more flattened. It is a good cropper; skin a good bright straw color. It is a favorite variety in many sections for planting for sets. **Pkt. 5c., oz. 15c., 1/4 lb. 50c., lb. \$1.50.**



YELLOW GLOBE DANVERS ONION

ONIONS—Continued

SOUTHPORT WHITE GLOBE

This variety is the most popular grown today. Same shape as the Southport Red, or Yellow Globe. Skin is a silvery white, quality of flesh unsurpassed. Heavy cropper and good keeper. Our stock of this variety is grown by an expert onion grower and can be depended on. **Pkt. 10c., oz. 30c., ¼ lb. \$1.00, lb. \$3.00.**

MAMMOTH SILVER KING, OR GIANT WHITE GARGANUS

The Largest Flat White Onion Grown. Enormous Yields, Good Quality

This Italian Onion is of very mild flavor, grows to 4 to 6 inches in diameter; a better keeper than most Italian sorts. Form is flattened, skin a silvery white. A very profitable variety to grow for the market. **Pkt. 10c., oz. 20c., ¼ lb. 60c., lb. \$2.00.**



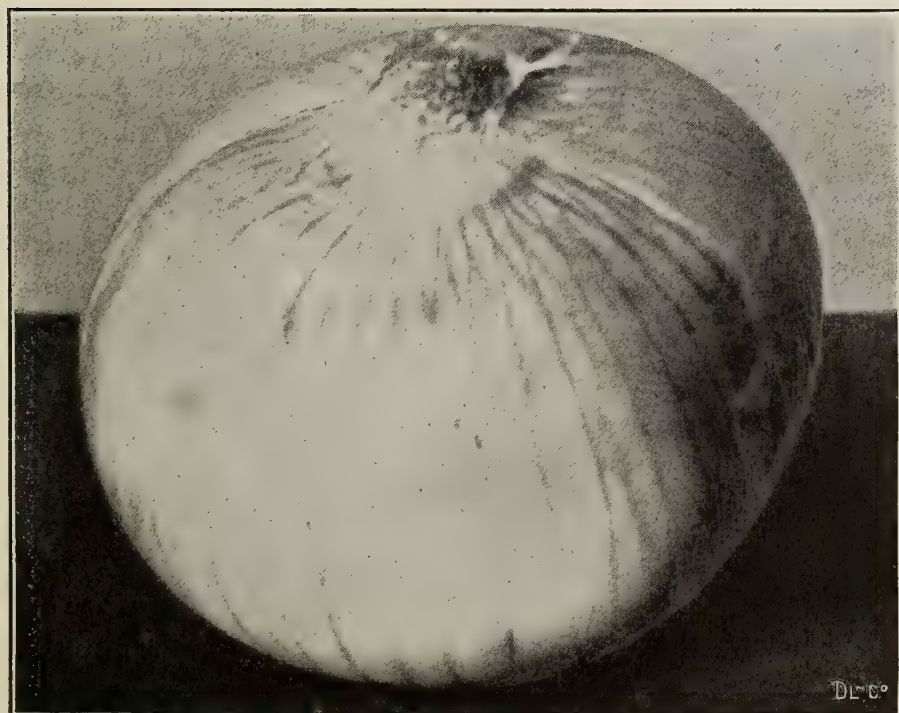
SOUTHPORT WHITE GLOBE ONION

WHITE PORTUGAL, OR SILVER SKIN

This is the popular sort for growing Onion Sets and is more in demand than any other variety for this purpose. The large Onions are flattened in shape, of a waxy white color; one of the best keepers; also very desirable as an early bunch Onion. We have a very fine and selected strain of this desirable Onion. **Pkt. 10c., oz. 25c., ¼ lb. 75c., lb. \$2.75.**

WHITE QUEEN

Another popular pickling sort. Skin white, flavor mild, matures extra early and keeps well. Bulbs about one inch in diameter. **Pkt. 5c., oz. 20c., ¼ lb. 60c., lb. \$2.00.**



WHITE PORTUGAL, OR SILVER SKIN ONION



MAMMOTH SILVER KING ONION

EARLY WHITE BUNCH

Used largely for pulling when young as a bunch Onion. If left to mature grows to good size; very showy, pearly white skin. Flesh of good quality and a good keeper. **Pkt. 5c., oz. 20c., ¼ lb. 50c., lb. \$1.75.**

WHITE BARLETTA

A very early variety, used largely for pickling. The bulbs usually measure one to two inches in diameter; color is a pure pearly white. Keeps well. **Pkt. 5c., oz. 20c., ¼ lb. 60c., lb. \$2.00.**

ONION SETS

One quart to 50 feet of row, eight to ten bushels per acre, according to size of sets.

	By mail, postpaid Quart	5-quarts	Bus. of 32 lbs. by Ex- press or freight, not prepaid
Red	\$0.30	\$1.25	\$1.25 \$4.50
White .....	.30	1.25	1.25 4.50
Yellow .....	.30	1.25	

PARSLEY

CULTURE.—Seed of Parsley will sometimes remain in the ground three to six weeks before germinating; so should be sown very early in the Spring. Plant in rows 1 to 2 feet apart; when well up thin to 8 to 10 inches apart in the rows. Frequent cutting improves the growth and quality. One ounce to 150 feet of drill, three to four pounds per acre.

NOLL'S SELECTED EXTRA DOUBLE CURLED

A Superb Extra Curled Sort. The Best for all Purposes, Home or Market

This strain is of free growth, beautifully curled, and is, we think, as near perfection as can be obtained. The leaves are very dark green, very large, suitable for open ground or for frame culture. Withstands heat and drought better than any other. It is enormously prolific, a sure money maker for the market gardener. **Pkt. 5c., oz. 10c., ¼ lb. 30c., lb. \$1.00.**

CHAMPION MOSS CURLED

After our selected double curled, this is the best. Grows to good size, dark color, densely curled; a very popular variety. **Pkt. 5c., oz. 10c., ¼ lb. 25c., lb. 75c.**

ITALIAN

A root variety, largely planted by the Italian gardeners around New York. **Pkt. 5c., oz. 10c., ¼ lb. 20c., lb. 60c.**

HAMBURG, OR TURNIP ROOTED

The roots of this variety are used largely for flavoring purposes; resemble small Parsnips. Flesh white and of fine flavor. **Pkt. 5c., oz. 10c., ¼ lb. 20c., lb. 60c.**



NOLL'S SELECTED EXTRA DOUBLE CURLED PARSLEY

PARSNIP

CULTURE.—Sow seed early in Spring, in rows 2 to 3 feet apart, in deep, rich, light soil; cover about ¾ inch deep and press soil firmly. Seed is often slow to germinate. When plants are well up, thin out 4 to 6 inches apart in the rows. One ounce of seed to 100 feet of drill. Four to five pounds per acre.

The
Best
of
All
Parsnips



The
Market
Gardeners'
Favorite
Variety

NOLL'S IDEAL HOLLOW CROWN PARSNIP

NOLL'S IDEAL HOLLOW CROWN PARSNIP Perfect in Shape and Fine in Quality

We offer the most perfect type of this very choice sort. Roots grow to a good marketable size, of good diameter at top, tapering to the end. They are smooth and clean, of the very finest quality. The best for all purposes. An excellent keeper. **Pkt. 5c., oz. 10c., ¼ lb. 20c., lb. 60c.**

Remember

At prices quoted postpaid on seeds by the packet, ounce, quarter-pound and pound we deliver at your post office or nearest express office all charges paid. If you order pounds quoted by mail postpaid to be shipped by express at your expense you can deduct 10c. per pound from mail prices.

PEPPER

CULTURE.—Plant about same as Egg-Plant. Set plants $1\frac{1}{2}$ to 2 feet apart, in rows 2 to 3 feet apart. They delight in a well enriched soil. One ounce of seed will produce 1200 to 1500 plants.

CHINESE GIANT

The Largest of All. Very Mild and Delicious

This is the largest of all the Peppers. Plants set three to four very large fruits quite early, and continue setting until frost. In appearance fruit is thick and chunky; flesh is very sweet and tender. If you want a large and attractive Pepper, this is the one to plant. **Pkt. 10c., oz. 50c., $\frac{1}{4}$ lb. \$1.25, lb. \$4.75.**

RUBY GIANT

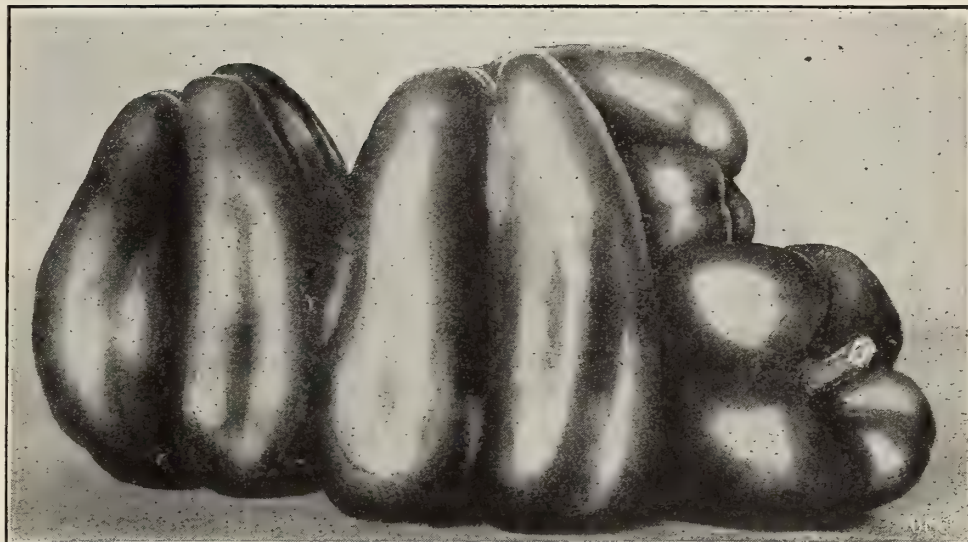
This is a longer Pepper than the Chinese Giant. Said to be a cross between Chinese and Ruby King. An excellent sort for stuffing; very desirable for market. **Pkt. 10c., oz. 35c., $\frac{1}{4}$ lb. \$1.00, lb. \$3.50.**

RUBY KING

Probably the best known of the large longer types. It is very productive; flesh is free from fire, always sweet and tender. It will outyield any other large variety. Makes a handsome appearance in the basket or on the market stall. We have this strain grown near Newark, and consider it unsurpassed. **Pkt. 10c., oz. 35c., $\frac{1}{4}$ lb. \$1.00, lb. \$3.50.**

SWEET MOUNTAIN

Similar to Bell, or Bull Nose, and claimed by many to be the same thing. We have, however, had this variety grown for us under this name, from selected stock, and can see but little difference. **Pkt. 5c., oz. 25c., $\frac{1}{4}$ lb. 75c., lb. \$2.50.**



RUBY KING PEPPER

GIANT CRIMSON

**The Earliest of the Large Peppers
Of Good Shape and Mild Flavor**

Another of recent introduction. Claimed by the introducer to outyield the famous Chinese Giant, which it resembles in shape; more uniform in size and fully as large. Flesh is thick and sweet. We have seed grown from the introducer's stock. **Pkt. 10c., oz. 50c., $\frac{1}{4}$ lb. \$1.50, lb. \$5.00.**

LARGE BELL, OR BULL NOSE

This is the old and well-known sort, still as popular as ever, notwithstanding the varieties of more recent introduction. Very productive, fruit of good size, fine quality and appearance. Many gardeners cannot be induced to plant any other variety. **Pkt. 5c., oz. 25c., $\frac{1}{4}$ lb. 75c., lb. \$2.50.**

NEAPOLITAN

A Money-Maker on Account of its Earliness

The earliest of all Peppers. A great favorite with the large Pepper growers in South Jersey, who ship this sort in carloads to the New York and Philadelphia markets. It is the first in market and brings top prices. It is of good size, mild flavor; flesh thick, and plants very productive. **Pkt. 10c., oz. 35c., $\frac{1}{4}$ lb. \$1.00, lb. \$3.50.**

GOLDEN DAWN

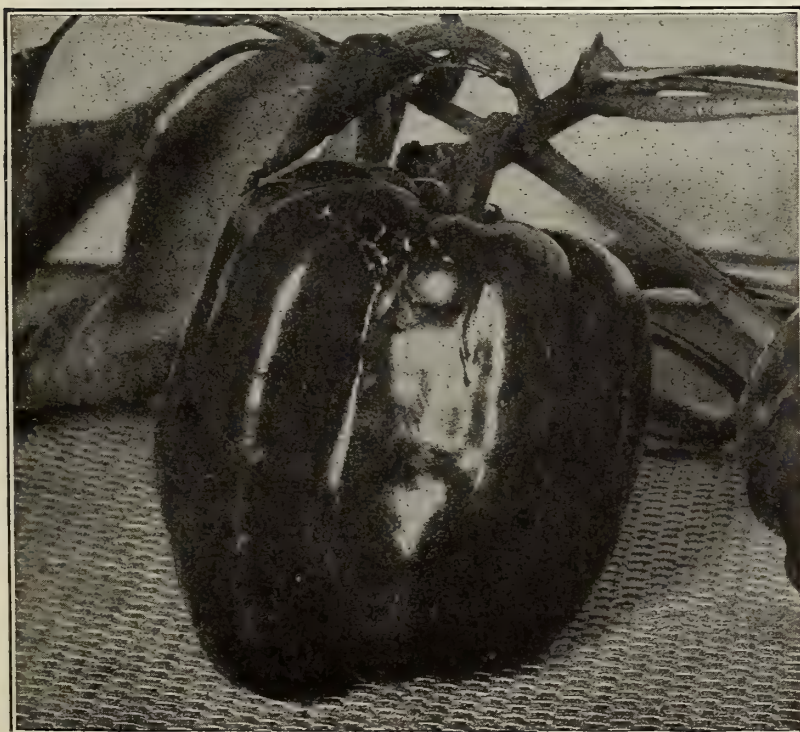
Plants of dwarf, compact habit; quite prolific; the best of the yellow varieties. Color a rich golden; flesh thick and mild; matures very early. **Pkt. 5c., oz. 25c., $\frac{1}{4}$ lb. 75c., lb. \$2.75.**

RED CHILI

Used largely in the manufacture of pepper sauce. Pods are small, very hot. Plant very prolific. **Pkt. 5c., oz. 25c., $\frac{1}{4}$ lb. 75c., lb. \$2.50.**

LONG RED CAYENNE

Long, red, slender, twisted pods, bright red in color; very fiery flavor. Used largely for bunching with pot-herbs. **Pkt. 5c., oz. 25c., $\frac{1}{4}$ lb. 75c., lb. \$2.50.**



CHINESE GIANT PEPPER

PEAS

CULTURE.—Plant early, smooth varieties as soon as frost is out of ground; follow with the early wrinkled sorts in a week or ten days and make successive plantings every ten days until middle of August. Plant 2 to 3 inches deep, in rows 12 to 15 inches apart, if cultivated by hand; if by horse power rows should be 2 feet apart. Plants should be from 8 to 10 to the foot, according to the variety. Dwarf varieties require no sticks, tall varieties do better staked. Use one pint to 75 feet of drill, three bushels per acre.

ALASKA, OR EARLIEST OF ALL

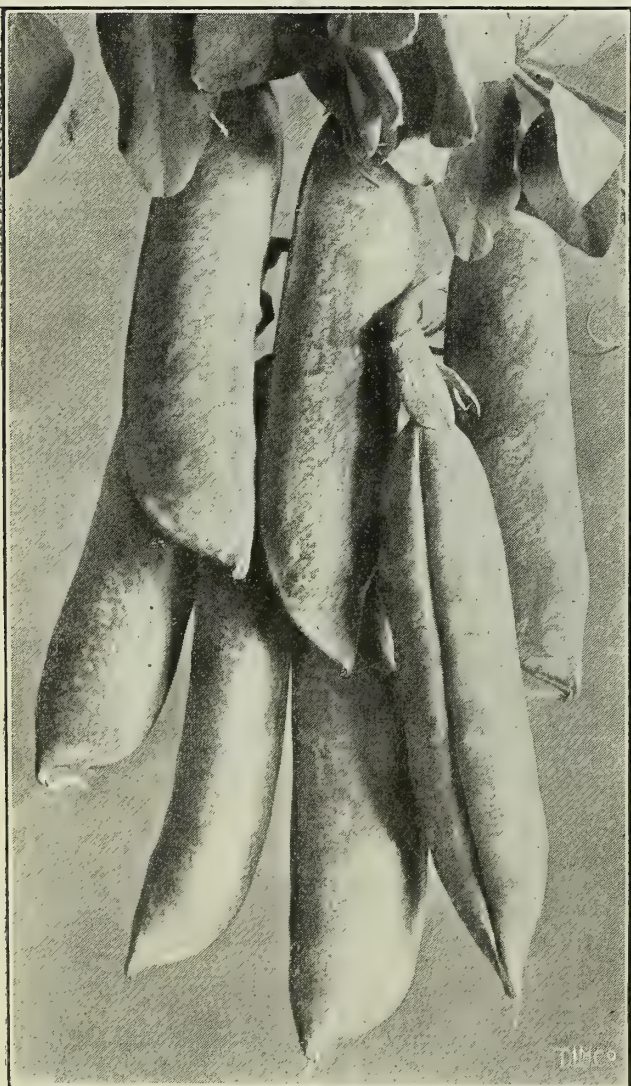
This is probably the earliest of all Peas. Vines grow 2 to 2½ feet high, contain 6 to 7 pods well filled with medium-sized green peas, quality good. Matures very evenly. A very desirable first-in-market Pea. Also a great favorite with canners. **Pkt. 10c., pt. 30c., qt. 55c.,** postpaid. By express or freight, not prepaid: **Qt. 40c., pk. \$3.00, bus. \$8.50.**

PROLIFIC EARLY MARKET

An extra early smooth Pea, which for prolificness is a leader. Plants are literally loaded with good-sized, well-filled pods. A very desirable variety, for the market gardener can pick more peas per yard from this sort than any other. Extra early. About 3 to 4 days later than Noll's Extra Early. **Pkt. 10c., pt. 25c., qt. 45c.,** postpaid. By express or freight, not prepaid: **Qt. 30c., pk. \$2.00, bus. \$7.00.**

AMEER

A large-podded variety of the Alaska type; the seed is blue, same as Alaska; the pods are much larger, and it is only a day or two later in maturing. Vines are very prolific; pods are well filled with peas averaging almost double the size of Alaska. **Pkt. 10c., pt. 30c., qt. 60c.,** postpaid.

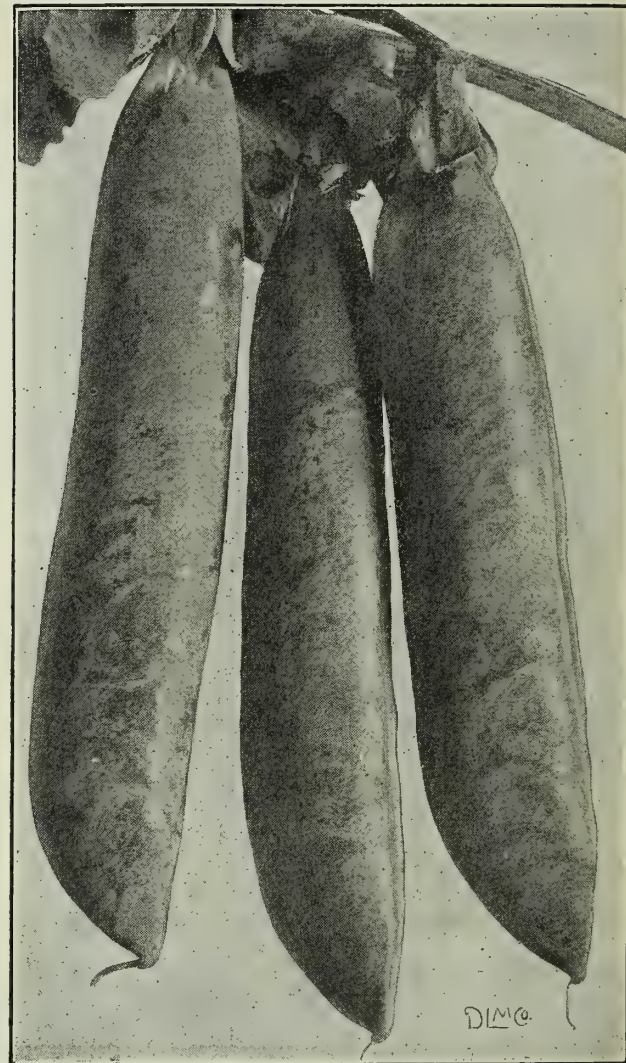


THOMAS LAXTON PEA

GRADUS, OR PROSPERITY

The Earliest of All the Wrinkled Peas. Produces Large Green Pods 4 to 6 Inches Long

This wrinkled variety can be planted as early as the extra early smooth Peas; is very hardy; grows a vine 18 to 30 inches high; requires no sticks or brush, stands up well. It is very prolific, produces pods 4 to 6 inches long filled with large sugary peas. One of the most popular of all Peas, whether for home use or for the market garden. **Pkt. 10c., pt. 45c., qt. 80c.,** postpaid.



GRADUS, OR PROSPERITY PEA

THOMAS LAXTON

Another early wrinkled variety. Vines 3 to 3½ feet high, very hardy and extremely productive. Pods are filled to ends with peas of the most tender and sugary flavor. This variety is fast becoming a great favorite in all sections, whether for home or market use. **Pkt. 10c., pt. 35c., qt. 65c.,** postpaid.

NOLL'S GRAND MONARCH

A Popular Variety for Home or Market

An extra early Pea, which produces large, well-filled pods of luscious peas. Vines 2½ to 3 feet in height. Pods as large as the Telephone, containing 6 to 10 peas of large size. Owing to its hardiness can be planted earlier than any of the large-podded varieties. **Pkt. 10c., pt. 30c., qt. 60c.,** postpaid.

AMERICAN WONDER

The earliest of the very dwarf wrinkled Peas. Vines only about one foot in height; pods of good size, containing five to eight large peas. Quality is of the very finest. A great favorite for the family garden. **Pkt. 10c., pt. 25c., qt. 45c.,** postpaid. By express or freight, not prepaid. **Qt. 30c., pk. \$2.00, bus. \$7.50.**

Order for Seeds
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J. F. NOLL & Co., Inc.
Newark, N. J.

Messrs. J. F. Noll & Co., Inc., give no warranty, express or implied, as to description, purity, productiveness, or any other matter of any seeds or bulbs they send out, and they will not be in any way responsible for the crop. If the purchaser does not accept the goods on these terms they are at once to be returned.

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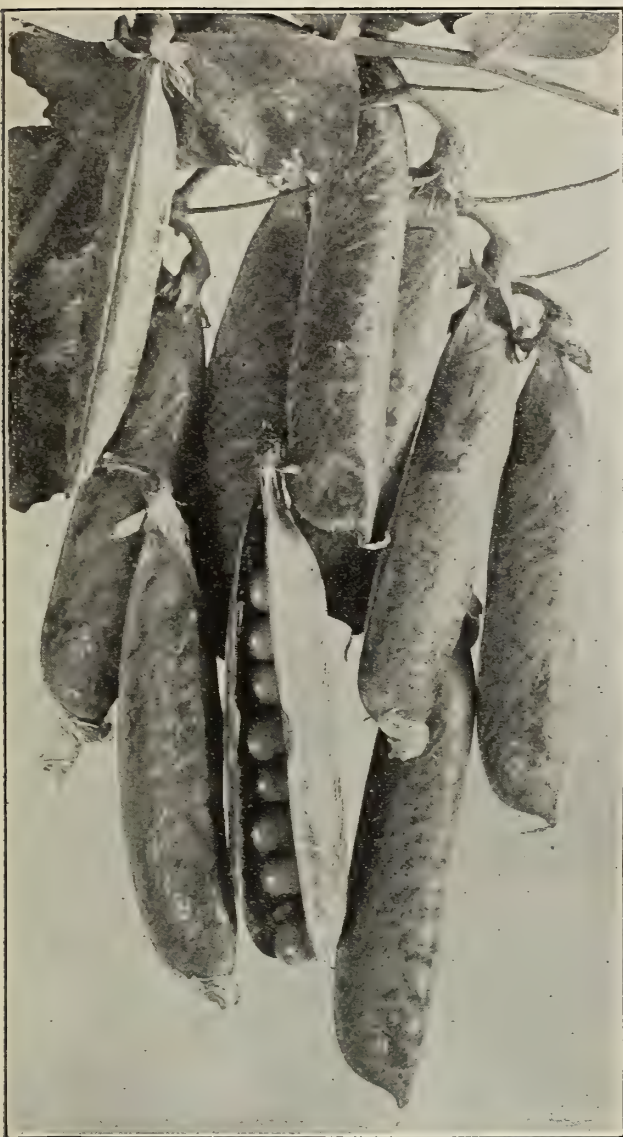
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SPECIAL NOTICE: We shall esteem it a great favor if you will give us in the spaces below the NAMES and ADDRESSES of any of your friends who buy seeds. We wish to send them our SEED ANNUAL

NAMES

POST-OFFICE

STATE



NOTT'S EXCELSIOR PEA

NOTT'S EXCELSIOR

One of the best dwarf wrinkled extra earlies. Vines grow one foot in height, but are well filled with pods of good size, containing peas of the most luscious quality. A great favorite with market gardeners. **Pkt. 10c., pt. 30c., qt. 55c.,** postpaid.

CARTER'S DAISY, OR DWARF TELEPHONE

A medium early dwarf sort. Vines about 18 inches in height, very vigorous and quite prolific; pods of good size, containing 6 to 9 large peas. Very tender and sweet. **Pkt. 10c., pt. 30c., qt. 55c.,** postpaid.

CHAMPION OF ENGLAND

An old but still very popular late variety. Vines about 4 feet in height, very productive, pods large, peas very sweet and tender. **Pkt. 10c., pt. 25c., qt. 45c.,** postpaid. By express or freight, not prepaid: **Qt. 30c., pk. \$2.50.**

HEROINE

A medium early sort which produces large and very showy pods; an immense cropper; peas of excellent quality; a fine variety for the home garden. **Pkt. 10c., pt. 30c., qt. 55c.,** postpaid.

PEAS—Continued

NOLL'S SELECTED EXTRA EARLY

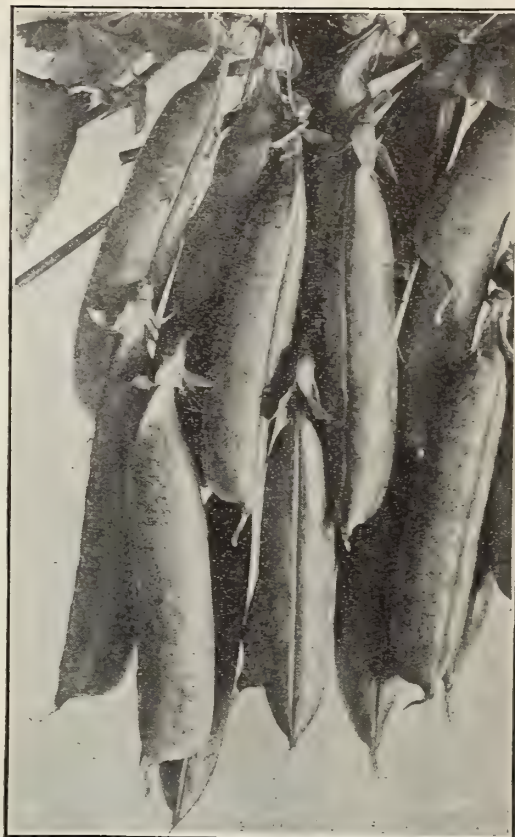
This is a strain of extra early that we consider unequaled. It withstands greater change of weather in the early Spring than any other sort. Produces pods deep green in color, well filled with good-sized peas. **Pkt. 10c., pt. 25c., qt. 45c.,** postpaid. By express or freight, not prepaid: **Qt. 35c., pk. \$2.00, bus. \$7.00.**

McLEAN'S ADVANCER

An early variety, growing about 2½ feet; pods good size, well filled; peas of very good quality. An old favorite with many gardeners. **Pkt. 10c., pt. 30c., qt. 50c.,** postpaid. By express or freight, not prepaid: **Qt. 35c., pk. \$2.50, bus. \$9.00.**

SUTTON'S EXCELSIOR

A Pea of recent introduction but very popular on account of its large well filled pods. This is a dwarf variety which comes into bearing very early. Vines grow about 14 inches high, are very prolific; pods are long, straight and of pale green color. Peas are sweet and tender. **Pkt. 10c., pt. 25c., qt. 45c.,** postpaid.



NOTT'S SELECTED EXTRA EARLY PEA



ALASKA, OR EARLIEST OF ALL PEA

PEAS--Continued**TELEPHONE**

One of the most popular varieties for main and late crop, on account of its many good qualities; fine appearance, large pods, and most excellent flavor; a good shipper. Vines about 4 to 5 feet, very sturdy and vigorous. This Pea is considered by many private and market gardeners to be the best of all. **Pkt. 10c., pt. 35c., qt. 65c.,** postpaid.

DUKE OF ALBANY

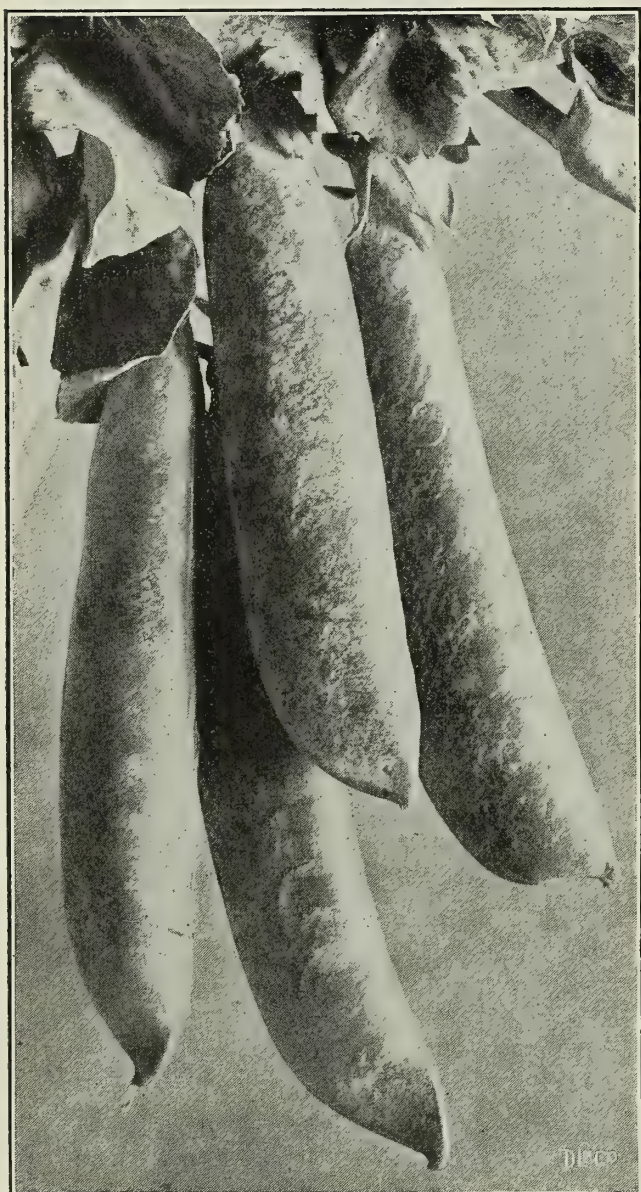
Similar to Telephone, except pods are of a darker green shade. Vine about 5 feet in height; very strong grower, producing large pods in great profusion. A standard main crop Pea. **Pkt. 10c., pt. 30c., qt. 55c.,** postpaid.

SHROPSHIRE HERO

Very prolific; pods large and well filled; height about 2½ feet. A second early of great merit. One of the old standbys with a great many growers. **Pkt. 10c., pt. 25c., qt. 45c.,** postpaid. By express or freight, not prepaid: **Qt. 30c., pk. \$2.00, bus. \$7.00.**

TELEGRAPH, OR LONG ISLAND MAMMOTH

A good main crop variety, producing strong growing vines with very large dark green pods. Does well under unfavorable conditions. Grows 4 to 5 feet in height. A great favorite with many market gardeners for their main or late crop. **Pkt. 10c., pt. 25c., qt. 45c.,** postpaid.



TELEPHONE PEA

REMEMBER

We Deliver
Free at Post-
paid Prices.

MELTING SUGAR

This is an edible-podded Pea. They are used in the same manner as String Beans. Pods are very large, stringless, very sweet and tender. Vines grow 4 to 5 feet high and are very prolific. **Pkt. 10c., pt. 30c., qt. 50c.,** postpaid.

LARGE BLACK EYE MARROWFAT

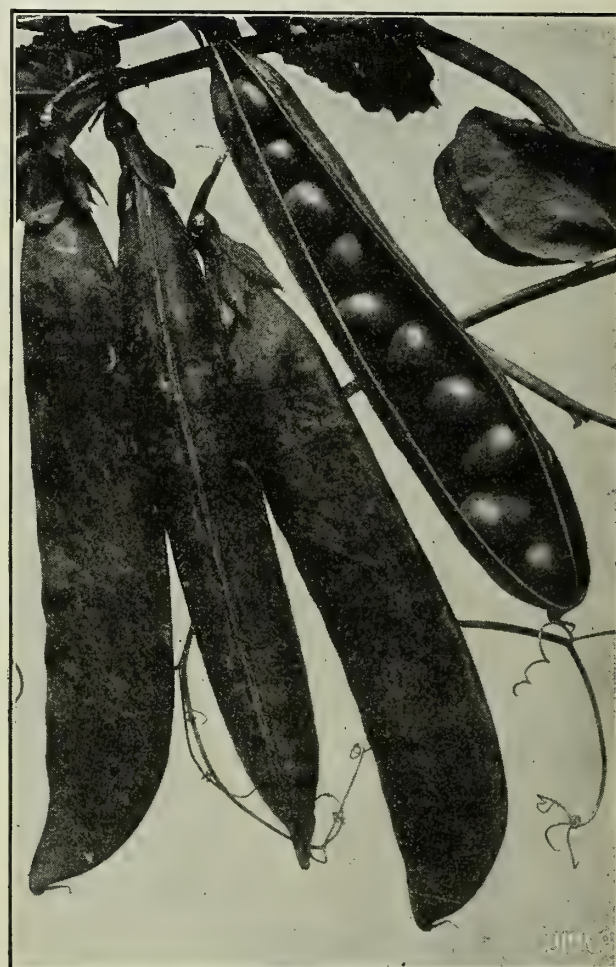
Grows about 5 feet high, a good bearer, pods large, very hardy and productive. Large white seed with black eye. A fine late sort. **Pkt. 10c., pt. 20c., qt. 40c.,** postpaid. By express or freight, not prepaid: **Qt. 25c., pk. \$1.00, bus. \$3.75.**

LARGE WHITE MARROWFAT

Same as Black Eye, except seed is white. **Pkt. 10c., pt. 20c., qt. 40c.,** postpaid. By express or freight, not prepaid: **Qt. 25c., pk. \$1.00, bus. \$3.75.**

SPECIAL NOTICE

The Pea crop has been the poorest in the last 25 years. We have only limited quantities of most varieties, especially those not offered in bulk, and we would suggest you send in your order as early as possible.



TELEGRAPH, OR LONG ISLAND MAMMOTH

POTATOES

CULTURE.—Potatoes are planted early and late. Cut 2 to 3 eyes to a piece. Plant in rows or hills about 3 feet apart and about 15 to 18 inches apart in the hills or rows. Cultivate thoroughly. One peck will plant about 100 hills, 10 to 12 bushels per acre.

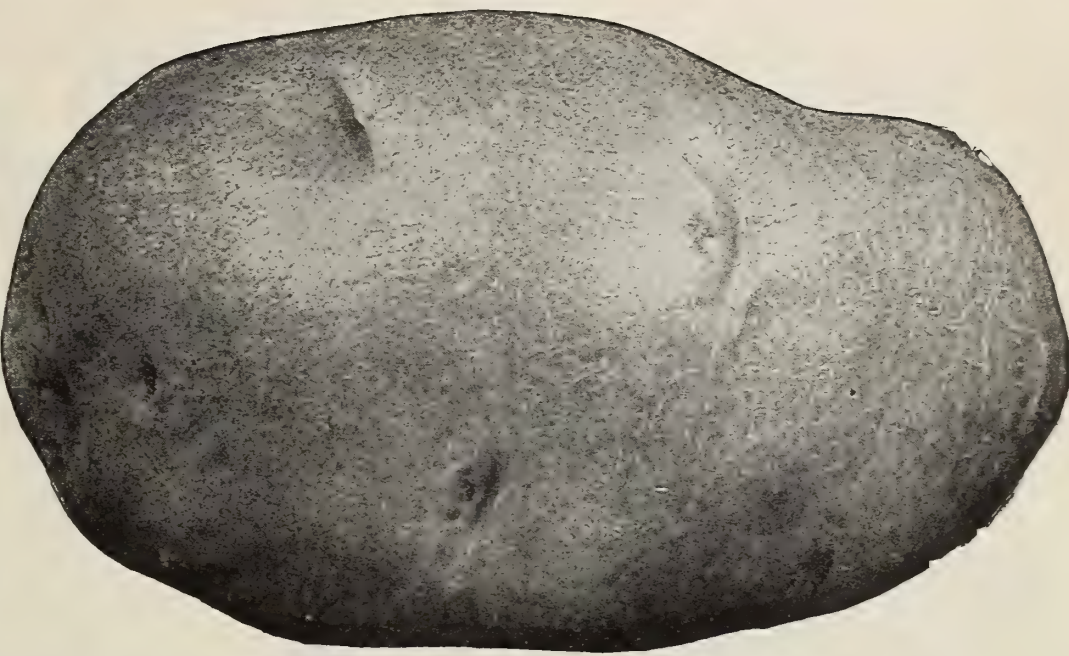
NOTE.—All our seed Potatoes are grown for us in Maine, by one of the largest and most reliable growers in the best Potato section. Do not compare home-grown stock with Maine stock when looking at prices. It will well repay any planter to purchase Maine-grown seed every year.

PURE EARLY ROSE

This variety is too well known to need a description. After many years it is still as popular as ever, and when you purchase the Pure Early Rose, true to name, such as we offer, you obtain a variety that you cannot surpass for all general purposes. **Lb. 30c., 3 lbs. 75c.,** postpaid. By express or freight, not prepaid: **Pk. 60c., bus. \$2.00, bbl. sack (165 lbs.) \$4.25.**

GREEN MOUNTAIN

One of the very best main crop or late varieties. It is an immense yielder, does well in poor soil, producing tubers of large size; very attractive; an excellent keeper. **Lb. 30c., 3 lbs. 75c.,** postpaid. By express or freight, not prepaid: **Pk. 60c., bus. \$2.00, bbl. sack (165 lbs.) \$4.25.**



IRISH COBBLER

IRISH COBBLER

This extra early variety is one of the very best. It matures in 7 to 8 weeks from planting. Tubers are of good size, nearly round, very heavy yielder, clean smooth white skin, of excellent quality. A great favorite for first early. **Lb. 30c., 3 lbs. 75c.,** postpaid. By express or freight, not prepaid: **Pk. 60c., bus. \$2.25, bbl. sack (165 lbs.) \$4.75.**

PUMPKIN

CULTURE.—Pumpkins are easily grown in any section. They do best in rich soil, as vines are rank growers. Plant in hills 8x8 feet, or in the cornfield. Plant three or four seeds to each hill. One ounce of seed will plant about 25 hills; three to four pounds per acre.

CONNECTICUT FIELD

The popular sort for planting in the cornfield. Used very largely for stock feeding. A most excellent keeper. **Pkt. 5c., oz. 10c., 1/4 lb. 15c., lb. 50c.**



LARGE CHEESE

LARGE CHEESE

Fruit flattened, skin smooth, mottled light green and yellow; when fully matured, of a rich cream color. Flesh very tender, of superior quality; an excellent variety for pies. **Pkt. 5c., oz. 10c., 1/4 lb. 20c., lb. 60c.**

TENNESSEE SWEET POTATO PIE

Pear-shaped, medium size, with slight ribs. Color creamy, frequently striped with green. Cooks very dry; of fine quality and good flavor. **Pkt. 5c., oz. 15c., 1/4 lb. 30c., lb. \$1.00.**

STRIPED CASHAW, OR CROOKNECK

Very solid, thick flesh, small seed cavity; quality of the very best. Popular for home or market. **Pkt. 5c., oz. 10c., 1/4 lb. 20c., lb. 60c.**

JUMBO, OR KING OF THE MAMMOTHS

Grows to enormous size; color of skin a rich dark yellow; flesh light, good for cooking or for stock feeding. **Pkt. 10c., oz. 20c., 1/4 lb. 50c., lb. \$1.50.**

GOLDEN OBLONG

Rich golden orange color; a good keeper; quality fine; cooks dry and very sweet. **Pkt. 5c., oz. 10c., 1/4 lb. 20c., lb. 60c.**

RADISH

CULTURE.—Sow seed as early in Spring as ground can be well cultivated, in drills, 10 to 18 inches apart; thin out to one inch apart for small, two to four inches for large varieties. Soil should be rich, light and well pulverized. Continue sowing every week or ten days for continuous crop. Quick growth; insures good quality; they mature in from 18 days to four or five weeks, according to variety. One ounce to 100 feet of drill, ten to twelve pounds per acre.

NOLL'S SCARLET TURNIP WHITE TIPPED

A very popular variety for either outdoor or frame culture. Size medium, bright scarlet color, with a distinct white tip. Matures early, quality the best. This is probably more largely planted than any other variety by market gardeners. **Pkt. 5c., oz. 10c., ¼ lb. 20c., lb. 60c.**

EARLY SCARLET TURNIP

The old favorite turnip-shaped Radish, of medium size, quick to mature; a very desirable variety. **Pkt. 5c., oz. 10c., ¼ lb. 20c., lb. 60c.**

OLIVE SHAPED SCARLET

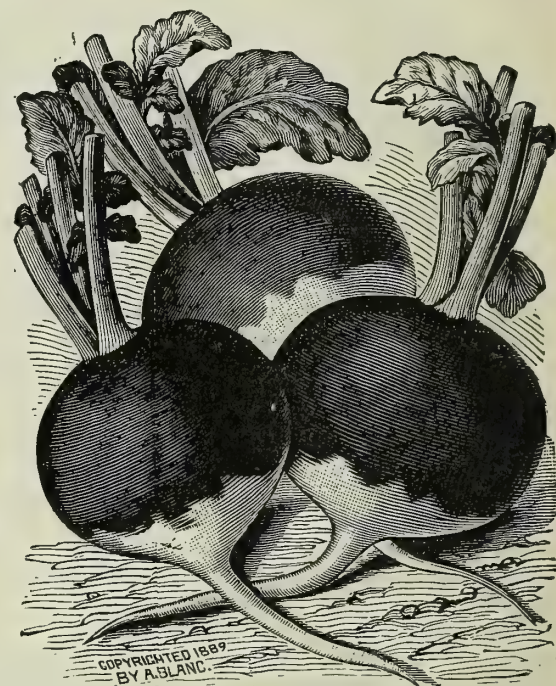
This is an olive-shaped variety, fine for forcing. Has very small top; good scarlet color; pull as soon as large enough for bunching. **Pkt. 5c., oz. 10c., ¼ lb. 20c., lb. 60c.**

OLIVE SHAPED GOLDEN YELLOW

Similar to the olive-shaped scarlet except skin is golden yellow. Flesh is white and tender; an early variety. **Pkt. 5c., oz. 10c., ¼ lb. 20c., lb. 60c.**

BRIGHT RED FORCING GLOBE

One of the earliest globe-shaped Radishes. Matures in 25 days. Color brilliant scarlet; short top; desirable for bunching. Flesh very tender and crisp. **Pkt. 5c., oz. 10c., ¼ lb. 20c., lb. 60c.**



NOLL'S SCARLET TURNIP WHITE TIPPED RADISH

EARLY WHITE BOX

The best early white Turnip Radish, good for under glass or for outdoor. Makes a short top, grows rapidly; flesh is firm and sweet. A very desirable variety where White Radishes are preferred. **Pkt. 5c., oz. 10c., ¼ lb. 20c., lb. 60c.**

LONG SCARLET SHORT TOP

The Best of the Long Red Radishes

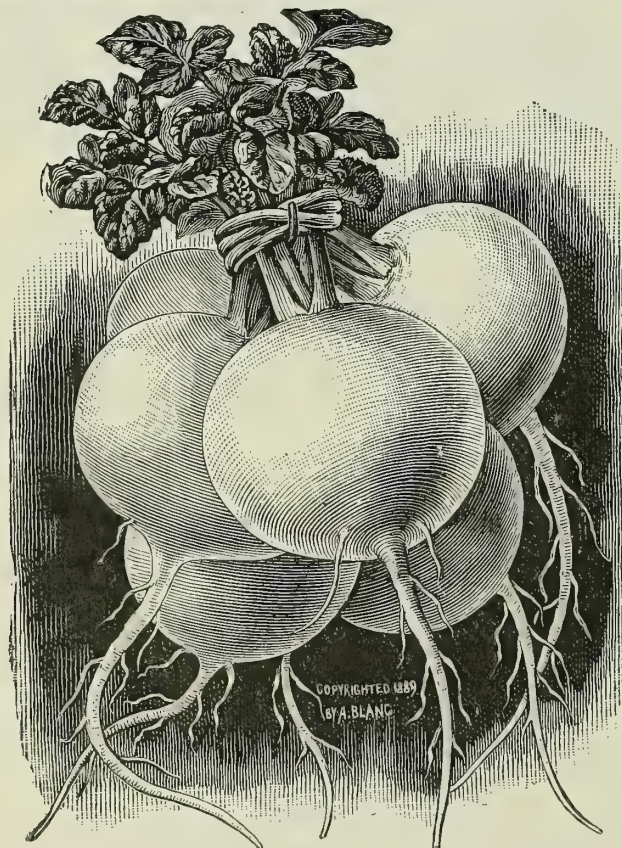
This is the standard Long Scarlet Radish. More of this Radish is planted than any other long variety. We have a very choice strain of this popular sort. It is very early, of good size, fine quality; good for bunching, and is the most largely planted of all long red Radishes. **Pkt. 5c., oz. 10c., ¼ lb. 20c., lb. 60c.**

LONG WHITE VIENNA, OR LADY FINGER

A long white variety, very crisp and tender; grows to good size; matures early. Very similar in shape to Long Scarlet Short Top. It is a very desirable variety where long white Radishes are desired. The flavor is mild. We recommend this variety. **Pkt. 5c., oz. 10c., ¼ lb. 20c., lb. 60c.**

WHITE SUMMER TURNIP

A very desirable Summer Radish. Grows round, smooth root, crisp and firm. A favorite family Radish. **Pkt. 5c., oz. 10c., ¼ lb. 20c., lb. 60c.**



EARLY WHITE BOX RADISH

RADISHES—Continued**VICK'S SCARLET GLOBE**

A very desirable variety for open ground or for forcing. It is nearly olive shaped, bright scarlet color, of fine quality. Matures very early and does not become unfit for use as soon as many extra early sorts. **Pkt. 5c., oz. 10c., ¼ lb. 20c., lb. 60c.**

YELLOW SUMMER TURNIP

A favorite in the New York markets. Grows round, good size; skin a bronzy yellow; flesh very tender and good quality. **Pkt. 5c., oz. 10c., ¼ lb. 20c., lb. 60c.**

WHITE STRASBURG

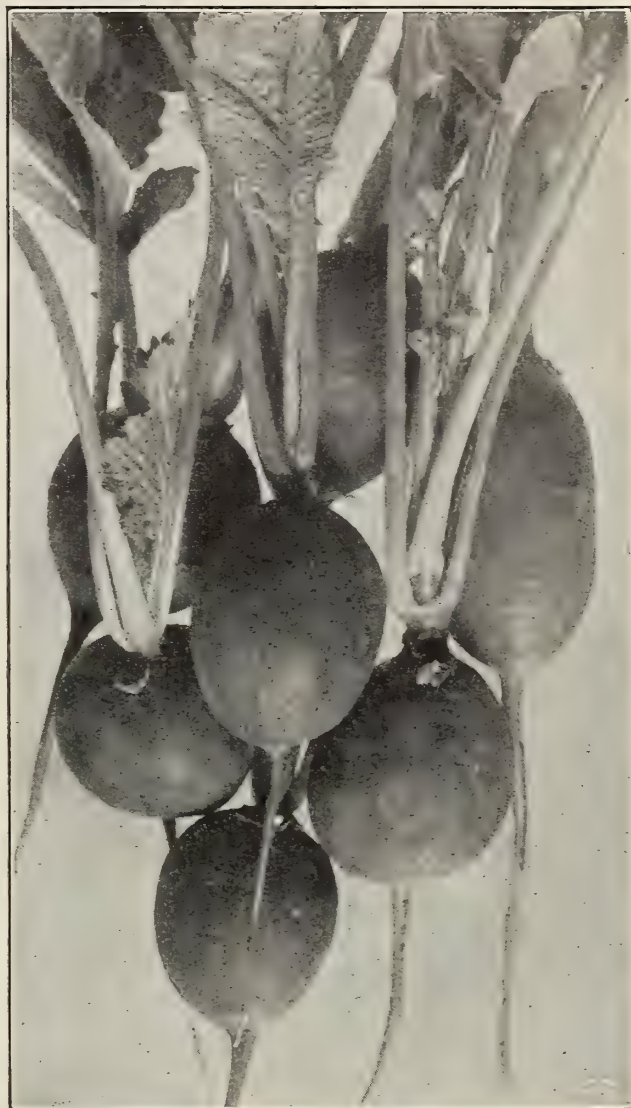
A good white variety, oblong in shape; grows to good size; a desirable sort for Summer planting. One of the very best of the larger Radishes. **Pkt. 5c., oz. 10c., ¼ lb. 20c., lb. 60c.**



FRENCH BREAKFAST RADISH

FRENCH BREAKFAST

Oblong in shape, bright scarlet color, except near tip, which is pure white; grows very rapidly, is unsurpassed in quality; a very attractive sort when bunched; a good seller. Desirable for home use or for market. **Pkt. 5c., oz. 10c., ¼ lb. 20c., lb. 60c.**



VICK'S SCARLET GLOBE RADISH

CRIMSON GIANT

A large globe-shaped variety of recent introduction. Color is brilliant cardinal; flesh firm and tender; matures early; grows to a large size, and is always very crisp and tender. We consider this one of the very best second early forcing varieties. Highly recommended for outdoor planting. Of recent introduction, but bound to be popular. **Pkt. 10c., oz. 20c., ¼ lb. 35c., lb. \$1.25.**

LONG BLACK SPANISH

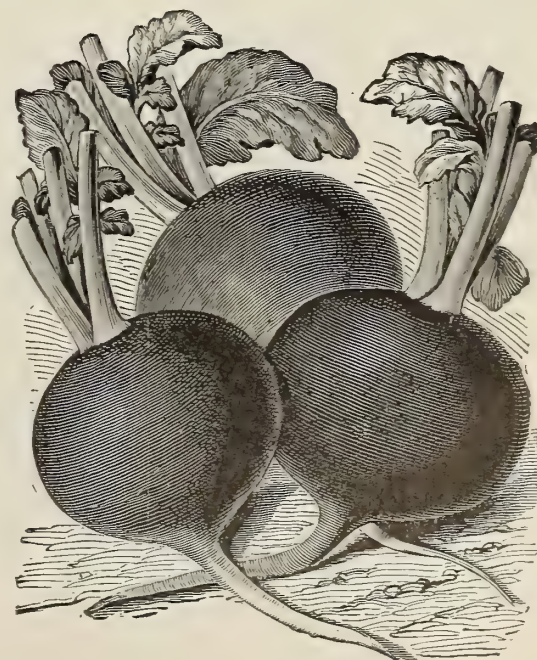
A very late variety; grows to large size; skin black; flesh is very firm, and of good quality; it is a very popular market variety. **Pkt. 5c., oz. 10c., ¼ lb. 20c., lb. 60c.**

ROUND BLACK SPANISH

Round or top-shaped; grows 3 or 4 inches in diameter; skin black; flesh white. Where a round, black Radish is in demand this is the most desirable variety to grow. A good Winter keeper. **Pkt. 5c., oz. 10c., ¼ lb. 20c., lb. 60c.**

HALF-LONG BLACK SPANISH

A popular late Summer or Fall Radish. Skin grayish black; flesh white and crisp; withstands heat well; a good keeper. **Pkt. 5c., oz. 10c., ¼ lb. 25c., lb. 75c.**



CRIMSON GIANT RADISH

RADISHES—Continued

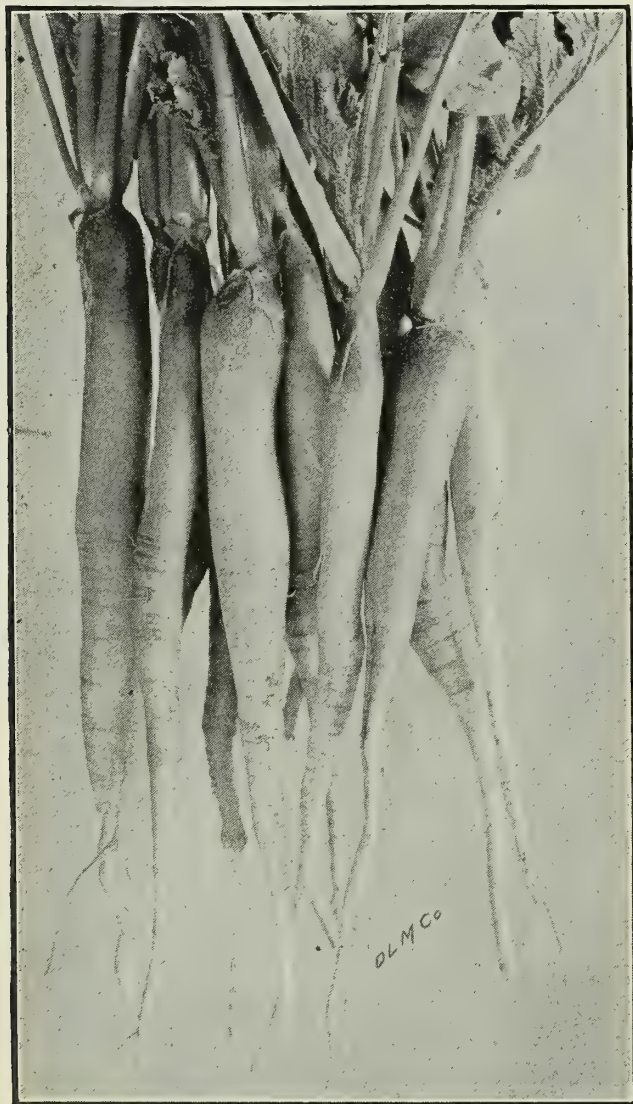
GIANT WHITE STUTTGART

Very large root, top-shaped, white skin; flesh firm and crisp; stands heat well. Give this variety plenty of room in the row as it produces mammoth bulbs. A highly flavored sort. A very desirable market variety. **Pkt. 5c., oz. 10c., $\frac{1}{4}$ lb. 20c., lb. 60c.**

LONG WHITE ICICLE

The Popular Long White Radish, Very Early

The best, long White Radish. Skin is pure white; flesh crisp and tender, remaining so for a long time. It is very early, maturing in 25 to 30 days. Makes a fine show when bunched for market. Popular with market gardeners. **Pkt. 5c., oz. 10c., $\frac{1}{4}$ lb. 25c., lb. 75c.**



LONG WHITE ICICLE RADISH

ROSE CHINA WINTER

Of cylindrical shape; color a light rose; has pure white flesh; grows 4 to 5 inches long; a great favorite for Winter use. **Pkt. 5c., oz. 10c., $\frac{1}{4}$ lb. 20c., lb. 60c.**

CALIFORNIA MAMMOTH WINTER

A large late or Winter variety. Pure white; grows partly above ground; keeps well through Winter months. **Pkt. 5c., oz. 10c., $\frac{1}{4}$ lb. 25c., lb. 75c.**

CELESTIAL, OR CHINESE WINTER

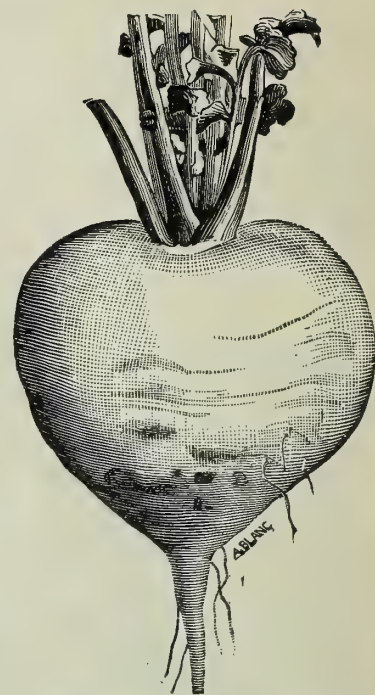
The Best of the White Winter Varieties

One of the best of all Winter Radishes. Grows about one foot long; flesh pure white; quality unsurpassed. We recommend this variety very highly. **Pkt. 5c., oz. 10c., $\frac{1}{4}$ lb. 25c., lb. 90c.**

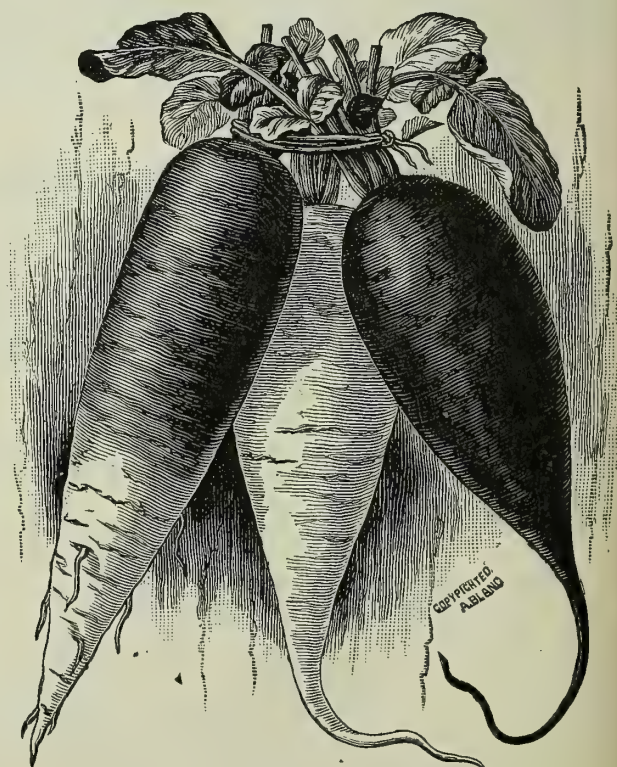
CHARTIER, OR SHEPHERD

A good outdoor Radish; matures quite early; very hard, crisp and tender. Color is a scarlet or rose, tipped with white at end. Roots are long and slender. **Pkt. 5c., oz. 10c., $\frac{1}{4}$ lb. 20c., lb. 60c.**

Our Radish seed is all grown in France and is far superior to the American-grown varieties. We are sure better seed than we offer cannot be had at any price.



GIANT WHITE STUTTGART RADISH



CHARTIER, OR SHEPHERD RADISH

RHUBARB

CULTURE.—Plant in very rich soil, deeply cultivated. Plant in drills, about 1 inch deep; thin out to 6 inches in rows. Transplant roots in Fall, in highly manured soil, setting them 4 to 6 feet apart each way. Do not pull stalks until second year after transplanting roots.

Linnaeus. The best market sort; stalks red; flavor very fine. **Pkt. 5c., oz. 15c., $\frac{1}{4}$ lb. 50c., lb. \$1.50.**

Roots, 15c. each, 4 for 50c., postpaid. By express or freight, not prepaid, \$6.00 per 100.

SQUASH

CULTURE.—Do not plant until settled weather, as plants are very tender. Use same methods as for Cucumbers and Melons. Summer varieties should be planted 4 to 6 feet apart each way, Winter varieties 8 to 10 feet apart. Leave two or three plants in each hill. Four ounces of seed to 100 hills for Summer sorts, eight ounces to 100 hills for Winter sorts, two to three pounds per acre.

LONG ISLAND WHITE BUSH

A thicker and heavier variety than the ordinary white bush; has very little rim; a good market sort. **Pkt. 5c., oz. 10c., $\frac{1}{4}$ lb. 25c., lb. 90c.**

WHITE BUSH SCALLOPED

The popular old white bush Summer Squash. Of good quality, creamy white in color, dwarf habit. **Pkt. 5c., oz. 10c., $\frac{1}{4}$ lb. 25c., lb. 75c.**

YELLOW BUSH SCALLOPED

Similar to White Bush except color is yellow. **Pkt. 5c., oz. 10c., $\frac{1}{4}$ lb. 25c., lb. 75c.**

DELICATA

An early Fall variety, small but very prolific; color orange, striped with green; flesh firm, dry and very sweet. **Pkt. 5c., oz. 15c., $\frac{1}{4}$ lb. 25c., lb. 90c.**



LONG ISLAND WHITE BUSH SQUASH

MAMMOTH SUMMER CROOKNECK

A strong, vigorous grower; fruit large and warted; flesh white; quality fine; very productive. **Pkt. 5c., oz. 10c., $\frac{1}{4}$ lb. 25c., lb. 90c.**

BOSTON MARROW

This is an old but still very popular variety. Skin is reddish; flesh is rich salmon color, of fine quality. In many markets this variety leads all others in amount of sales. We recommend this strain very highly. **Pkt. 5c., oz. 10c., $\frac{1}{4}$ lb. 25c., lb. 75c.**

MAMMOTH CHILI

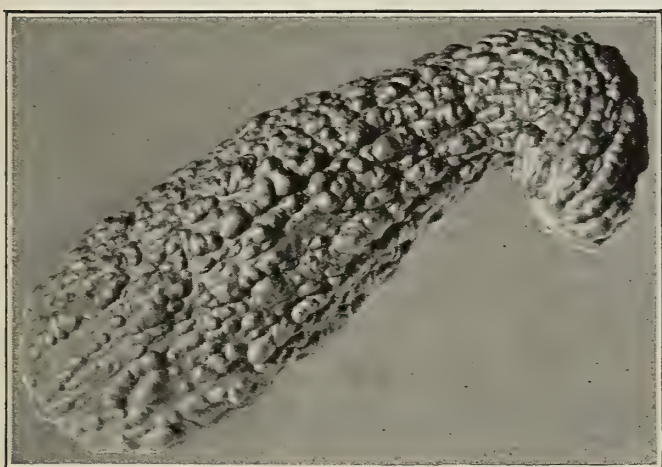
The largest of all the Squashes. Flesh yellow, very thick, but of good quality. It is valuable for table use or for stock feeding. **Pkt. 5c., oz. 15c., $\frac{1}{4}$ lb. 50c., lb. \$1.50.**

FORDHOOK

A Fall or early Winter Squash of medium size; color a creamy yellow; a good keeper; quality sweet and tender. **Pkt. 5c., oz. 10c., $\frac{1}{4}$ lb. 25c., lb. 75c.**



IMPROVED HUBBARD SQUASH



MAMMOTH SUMMER CROOKNECK SQUASH

IMPROVED HUBBARD

One of the most popular Winter varieties; flesh fine grained, of bright orange color; cooks very dry, sweet and tender. A most excellent keeper. Shell is thick and tough, making it a most desirable shipper. It is much warted or roughened, and when ripe is sometimes greenish and at others reddish in color, depending on soil and weather conditions. Without doubt this variety is more largely planted than any other of the Winter Squashes. We have a very choice strain of this popular and profitable sort. **Pkt. 5c., oz. 15c., $\frac{1}{4}$ lb. 30c., lb. \$1.00.**

SORREL

CULTURE.—Sow in drills early in Spring, thin out to 6 or 8 inches apart in the row. Commence cutting about two months after planting. Sorrel is hardy, will continue to bear for three or four years.

LARGE-LEAVED FRENCH

Cooked like Spinach; a very fine salad cooked as greens. Large leaves, mild acid flavor, fine quality. **Pkt. 5c., oz. 15c., $\frac{1}{4}$ lb. 30c., lb. \$1.00.**



MAMMOTH SANDWICH ISLAND SALSIFY

SALISFY, OR OYSTER PLANT

CULTURE.—Plant about same as Carrots or Parsnips. Roots are hardy and may remain in ground over Winter. Sow in drills early in Spring, in deep rich soil. Cover seed about one inch deep, and thin out to 2 to 4 in. in row. One ounce of seed to 100 feet of drill; eight to ten pounds per acre.

MAMMOTH SANDWICH ISLAND

The best variety, far ahead of the old White French sort. Roots large and not liable to branch. Color nearly white; makes a very handsome bunch. **Pkt. 10c., oz. 20c., ¼ lb. 40c., lb. \$1.25.**

SPINACH

CULTURE.—Plant in drills or broadcast in early Spring or Autumn. Spinach delights in rich soil. If planted in drills, thin out to 6 inches; have drills 12 to 18 inches apart. Cut before hot weather. If sown in Autumn protect plants with a light covering of leaves or straw. One ounce to 200 feet of drill; eight to ten pounds per acre.

GIANT THICK-LEAVED VIROFLAY

A desirable market variety. Produces large, thick, green leaves, somewhat crumpled. Matures very early, stands a long time without shooting to seed. **Pkt. 5c., oz. 10c., ¼ lb. 15c., lb. 35c.**

BELGIUM EVERGREEN LONG STANDING

Large dark green leaves; grows close to ground; withstands hot, dry weather, showing no tendency to run to seed; also excellent for Fall planting to Winter over. Not desirable as an early sort, but one of the best for late planting. Our demand for this variety is increasing every year. **Pkt. 5c., oz. 10c., ¼ lb. 15c., lb. 45c.**

LONG SEASONS

This is fast becoming one of the leading sorts. Stands more heat than any other variety of Spinach excepting New Zealand. The color is dark, leaves crumpled, growing close to the ground and are very thick. Every market gardener should give this variety a trial. **Pkt. 5c., oz. 10c., ¼ lb. 15c., lb. 45c.**

BLOOMSDALE, OR NORFOLK SAVOY-LEAVED

The very popular variety so largely planted among market gardeners. We have single customers in the Norfolk section who plant 1000 to 1500 lbs. of this desirable variety. Leaves are thick, dark green, perfectly hardy, good flavor. We highly recommend this to all our friends. **Pkt. 5c., oz. 10c., ¼ lb. 15c., lb. 35c.**

ROUND-LEAVED WINTER

A hardy, well-known variety, with thick, round leaves. **Pkt. 5c., oz. 10c., ¼ lb. 15c., lb. 35c.**

VICTORIA

Withstands hot weather; slow to run to seed; a very popular sort in many sections. A good variety for market or for family garden. **Pkt. 5c., oz. 10c., ¼ lb. 15c., lb. 35c.**

NEW ZEALAND

A distinct variety, differing entirely from the ordinary Spinach; thrives in any soil. Cut leaves or shoots during entire Summer. Plant in hills 2 feet apart each way, 3 or 4 seeds to a hill. **Pkt. 5c., oz. 15c., ¼ lb. 30c., lb. \$1.00.**

LONG STANDING SPINACH

An excellent long-standing variety, good for either early Spring or Autumn sowing. Leaves large, thick and crimped. **Pkt. 5c., oz. 10c., ¼ lb. 15c., lb. 35c.**

MAMMOTH ITALIAN LONG STANDING

A dark colored Spinach which withstands heat admirably. It is a very heavy cropper, producing large dark green leaves which are very tender. Habit very dwarf, growing close to the ground. It is a fine sort for late planting also. **Pkt. 5c., oz. 10c., ¼ lb. 15c., lb. 45c.**

TOMATO

CULTURE.—Plant seed in boxes or hotbeds, from six to eight weeks before setting out in the open. Transplant in coldframes or pots; when danger from frost is past plant in open ground, setting three to five feet apart each way. They should be thoroughly cultivated. One ounce of seed will produce about 4000 plants.

NOLL'S NEW DISCOVERY

The Earliest Large Smooth Tomato
in Existence

In our trials of this new Tomato we find it is from five to ten days earlier, is larger, smoother and of better color than Earliana, free from that objectionable yellow tinge peculiar to Earliana. It is extremely productive, bearing as many as 15 Tomatoes on the crown set (by actual count). This is exceptional, but 10 to 12 and 14 fine Tomatoes were counted on many other sets. They will average 5 to 6 large Tomatoes on each crown set. Very solid and of most excellent quality. Every one who saw this Tomato growing this year spoke of it in the highest terms, and considered it a wonder as an early market sort. The plants are compact in growth with short close-jointed branches, bearing fruit very freely; regular in form; uniform in size; perfectly smooth, averaging 3 inches in diameter and 2 to 2½ inches in depth. Bright scarlet in color, with small seed cavity. **Pkt. 15c., oz. 75c., ¼ lb. \$2.50.**



NOLL'S NEW DISCOVERY TOMATO

ACME

Hardy, vigorous and productive; fruit large, smooth, round; free from cracks; color pink. An old and well-known sort. **Pkt. 5c., oz. 25c., ¼ lb. 75c., lb. \$2.50.**

BEAUTY

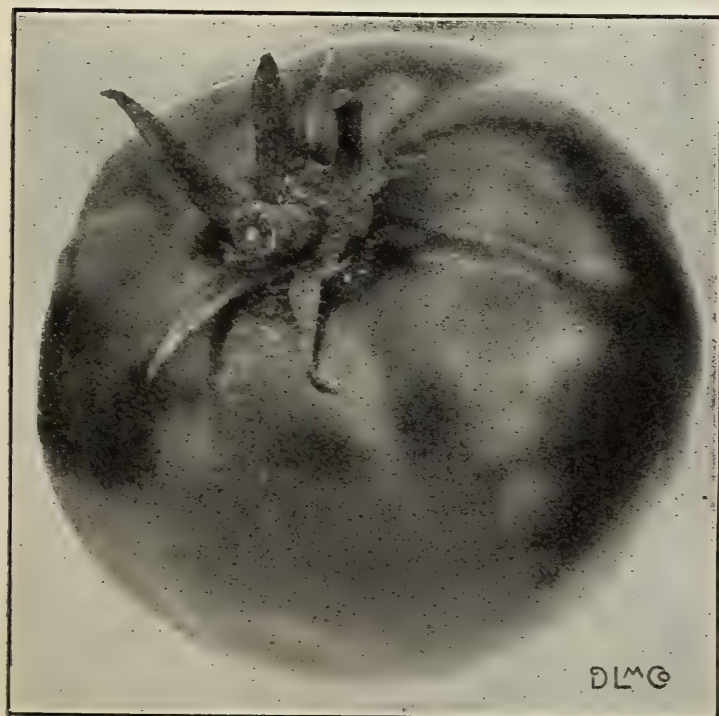
Color purplish red; fruit large, very heavy and meaty; a very prolific and profitable variety; a good shipper. Very showy. **Pkt. 5c., oz. 25c., ¼ lb. 75c., lb. \$2.50.**

SPARK'S EARLIANA

A very early variety, smooth, prolific, of good size; very uniform in shape; color bright scarlet, and of fine flavor. This variety is largely grown in the great Tomato growing section of South Jersey. It is a great money-maker, as on account of its extreme earliness it brings the top prices. **Pkt. 10c., oz. 30c., ¼ lb. 90c., lb. \$3.00.**

EARLY JUNE PINK

Similar in habit to Earliana; about the best of the early pink-skinned sorts. Plant is compact, branches freely; hangs in clusters of 6 or 8 fruits. Free from blight. Bound to be popular where pink-skinned Tomatoes are in demand. **Pkt. 10c., oz. 35c., ¼ lb. 90c., lb. \$3.00.**



SPARK'S EARLIANA

TOMATO—Continued**CHALK'S EARLY JEWEL****A Large Smooth, Fine Flavored Extra Early.**

This is a fine, large, early sort. Vines very vigorous and productive; fruit very solid; an excellent shipper. Plants are strong, robust, very prolific, not subject to blight. Comes in bearing a few days after Earliana but is much more desirable on account of size and quality. We consider this a very desirable variety for home or market use. **Pkt. 10c., oz. 30c., $\frac{1}{4}$ lb. 90c., lb. \$3.00.**

LIVINGSTON'S GLOBE

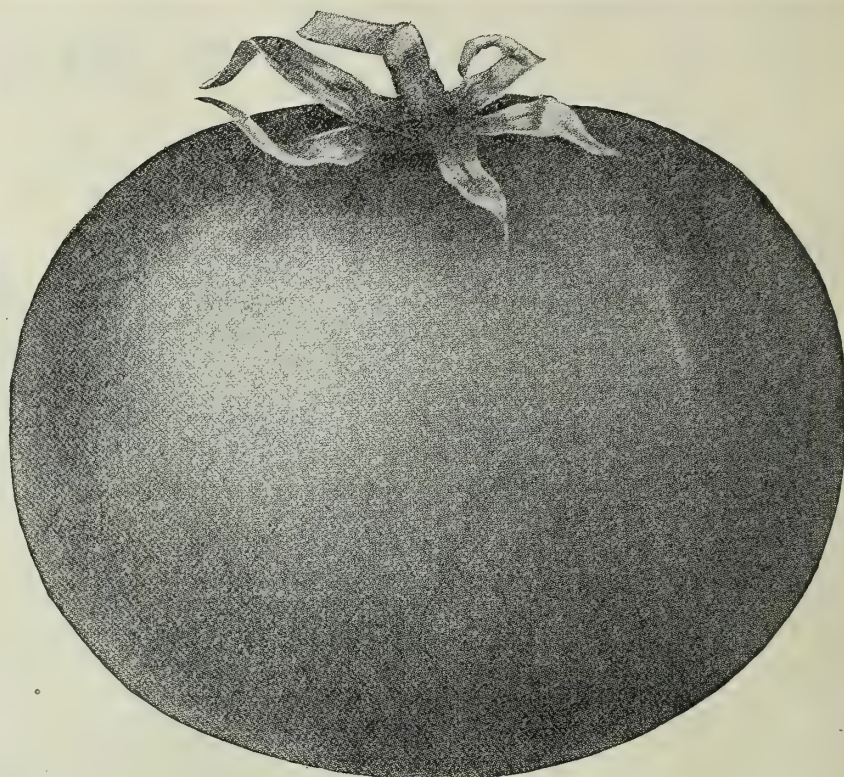
This new globe-shaped variety is very early, smooth and solid; skin a glossy pink; a heavy cropper, of excellent quality. **Pkt. 10c., oz. 30c., $\frac{1}{4}$ lb. 90c., lb. \$3.00.**

BONNY BEST**Early, Good Size and Shape. Very Prolific.**

This new sort is bound to be a leader, on account of its many good qualities. It is a vigorous grower; very prolific. Shape nearly round, partly flattened at stem end; very thick through. Color a bright scarlet; grows in clusters of 4 to 6 in a cluster. We are confident this variety will please all who plant it. **Pkt. 10c., oz. 35c., $\frac{1}{4}$ lb. \$1.00, lb. \$3.50.**

DWARF CHAMPION

Purple skin; dwarf vine, but very prolific. Fruit is large and smooth, and of excellent flavor. Can be planted much closer than the taller sorts. **Pkt. 5c., oz. 25c., $\frac{1}{4}$ lb. 75c., lb. \$2.50.**



CHALK'S EARLY JEWEL TOMATO

SUTTON'S GOLD MINE

A rich, pink-skinned variety, of large size; a healthy and vigorous grower; bears continuously until frost. An elegant shipper; carries long distances in perfect condition. We have had a great many favorable reports from this new variety. **Pkt. 10c., oz. 30c., $\frac{1}{4}$ lb. 75c., lb. \$2.75.**



SELECTED STONE TOMATO

SELECTED STONE

We have a carefully selected stock of this favorite variety. For a main crop this sort cannot be surpassed. It is one of the very best for canning or for market use. Fruit large, of bright red color, very smooth, heavy and solid. We know of no variety that will give better satisfaction for all general purposes. **Pkt. 5c., oz. 25c., $\frac{1}{4}$ lb. 75c., lb. \$2.50.**

PONDEROSA

Probably the largest of all Tomatoes. Color a bright crimson; fruit smooth and regular in shape; a favorite sort for the home garden. **Pkt. 10c., oz. 35c., $\frac{1}{4}$ lb. \$1, lb. \$3.75.**

TOMATOES—Continued

MATCHLESS

A Good Keeper and Shipper.

A rich, red-skinned variety, of exceptional merit. It is a fine shipper; as skin is tough stands rough handling. Plants are strong and vigorous; fruits are of large size, always smooth and regular in shape. This is one of the very best main or late crop Tomatoes. We recommend this variety to our market gardeners as one of the most profitable and satisfactory varieties. **Pkt. 10c., oz. 30c., ¼ lb. 75c., lb. \$2.75.**

DUKE OF YORK, OR
BUCKEYE STATE

Of special merit on account of its uniformity in ripening. Color a rich glossy pink; a very heavy cropper; fruit large, firm and heavy. It averages 8 to 10 fine Tomatoes in a cluster; ripens evenly up to stems; not subject to blight. An excellent sort for late Summer and early Fall. **Pkt. 10c., oz. 30c., ¼ lb. 75c., lb. \$2.75.**

TRIUMPH

An extremely valuable late or main crop variety. Fruit very large and solid; ripens up evenly. Vines are prolific. This is an excellent variety for canning or for market purposes. **Pkt. 10c., oz. 30c., ¼ lb. 75c., lb. \$2.75.**



MATCHLESS TOMATO

DWARF STONE

A good late sort. Vines are quite dwarf, but are very prolific. Fruit large, smooth and solid; color a very handsome scarlet. This is without doubt the best of the dwarf varieties. **Pkt. 10c., oz. 30c., ¼ lb. 90c., lb. \$3.00.**

RED CHERRY

Small, red fruit, about the size of a cherry; very prolific; used largely for preserves and pickles. **Pkt. 10c., oz. 30c., ¼ lb. 90c., lb. \$3.00.**

PEAR-SHAPED RED

A pear-shaped variety, used for preserving. Vines are very heavy yielders; fruit bright red. **Pkt. 10c., oz. 25c., ¼ lb. 75c., lb. \$2.50.**

YELLOW PLUM

A yellow plum-shaped fruit, deep in color; yellow flesh, of fine flavor. Good for preserves. **Pkt. 10c., oz. 25c., ¼ lb. 75c., lb. \$2.50.**



TRIUMPH TOMATO

WE make Tomatoes one of our leading specialties. Our strains of all varieties are of the highest quality. Don't fail to try Noll's New Discovery Tomato, it will certainly please you.

TURNIP

CULTURE.—Plant in drills about 2 feet apart and about $\frac{1}{2}$ inch deep or broadcast in thoroughly harrowed ground. Thin to 4 to 5 inches apart in the rows. Keep free from weeds. If wanted for early use plant early in the Spring. Main crop is usually planted in July or August. One ounce of seed to 250 feet of drill; two to three pounds per acre.

PURPLE, OR RED TOP WHITE GLOBE

The Popular Variety for Market or Home Use

Flesh white and of excellent quality; shape is nearly a globe; skin white at bottom, purple at top, making a very attractive appearance. This variety is more largely planted than any other by market gardeners. It keeps well and is always in demand. **Pkt. 5c., oz. 10c., $\frac{1}{4}$ lb. 25c., lb. 60c.**

PURPLE, OR RED TOP STRAP-LEAVED

This variety is similar in color to the purple Top Globe; the shape is flat; the best variety for markets which want flat Turnips. Flesh is white, fine grained and good quality. An excellent keeper for Winter use. **Pkt. 5c., oz. 10c., $\frac{1}{4}$ lb. 20c., lb. 60c.**

PURPLE TOP MILAN

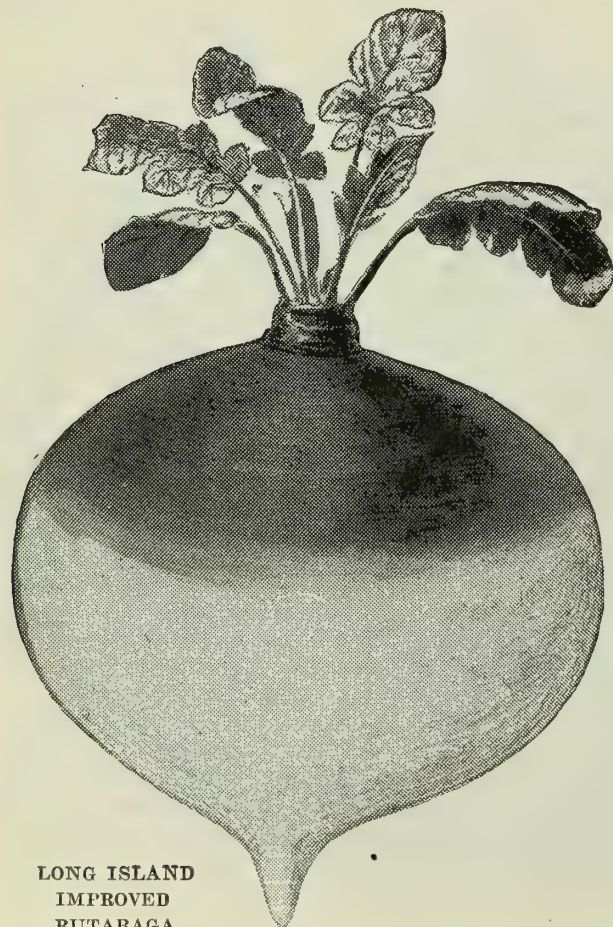
The Milan is the earliest of all Turnips; white with purple top; very desirable for early planting. **Pkt. 5c., oz. 10c., $\frac{1}{4}$ lb. 25c., lb. 75c.**

WHITE MILAN

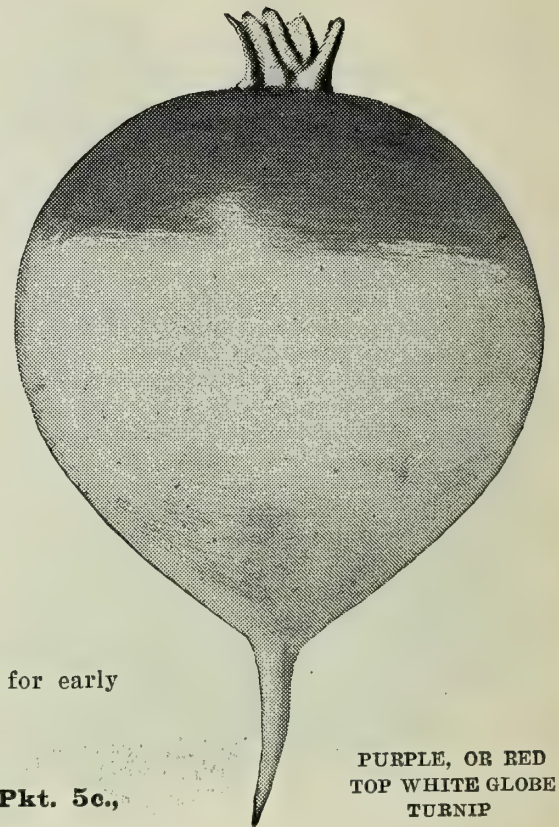
Pure white; as handsome as early Purple Top Milan; flesh sweet and tender. **Pkt. 5c., oz. 10c., $\frac{1}{4}$ lb. 25c., lb. 75c.**

WHITE EGG

An egg-shaped sort of quick growth, smooth and white, small top. Roots grow half out of ground; very tender, sweet and mild. **Pkt. 5c., oz. 10c., $\frac{1}{4}$ lb. 20c., lb. 60c.**



LONG ISLAND
IMPROVED
RUTABAGA



PURPLE, OR RED
TOP WHITE GLOBE
TURNIP

EARLY SNOWBALL

Very early; white skin and flesh; roots of good size; very firm, sweet and tender. **Pkt. 5c., oz. 10c., $\frac{1}{4}$ lb. 20c., lb. 60c.**

YELLOW ABERDEEN

Medium-sized roots, yellow fleshed; very hardy, sweet, tender and desirable. A good variety for stock feeding as well as for table use. A fine keeper. **Pkt. 5c., oz. 10c., $\frac{1}{4}$ lb. 20c., lb. 60c.**

YELLOW GLOBE

Flesh yellow, round, medium in size; a very popular yellow sort. Fine grained, very tender. **Pkt. 5c., oz. 10c., $\frac{1}{4}$ lb. 20c., lb. 60c.**

YELLOW STONE

A globe-shaped yellow-fleshed variety of good quality; a very good keeper. **Pkt. 5c., oz. 10c., $\frac{1}{4}$ lb. 20c., lb. 60c.**

GOLDEN BALL

Smaller than Yellow Globe; very handsome in appearance; a good keeper; flesh yellow, sweet and tender. **Pkt. 5c., oz. 10c., $\frac{1}{4}$ lb. 20c., lb. 60c.**

COW HORN

Long white, except top, which has shade of green. Roots grow very large, crooked in shape, nearly half out of ground. Matures very early; is of good flavor. A very good keeper for Winter use. **Pkt. 5c., oz. 10c., $\frac{1}{4}$ lb. 20c., lb. 60c.**

RUTABAGA, OR SWEDE LONG ISLAND IMPROVED PURPLE TOP

The Best, Most Popular and Most Productive of All

We list but this one sort of Rutabaga, as we consider our strain of this variety embraces all the good points contained in the Rutabaga family. Grows entirely without neck, has very small top and tap root. It is very productive, grows to large size, but is sweet and tender. Unsurpassed for stock feeding or table use; flesh yellow. The best for market or home. We cannot praise this stock too highly. **Pkt. 5c., oz. 10c., $\frac{1}{4}$ lb. 20c., lb. 60c.**

HERBS, SWEET, POT AND MEDICINAL

CULTURE.—Most Herbs thrive best on light, sandy soil. Sow early in the Spring in carefully prepared and thoroughly cultivated ground. Plant shallow and press soil down firmly.



POT MARJORAM

	Pkt.	Oz.	Lb.
Anise. Seeds aromatic and carminative....	\$0.05	\$0.10	\$0.75
Balm. For culinary purposes.....	.05	.30	2.50
Basil. Dwarf or bush. Culinary herb.....	.05	.15	1.50
“ Sweet. Culinary herb used for flavoring soups, etc.....	.05	.15	1.25
Bene. The leaves used for dysentery.....	.05	.15	1.00
Borage. Leaves used as a salad.....	.05	.10	1.00
Caraway. Used in flavoring liquors and bread .....	.05	.10	.60
Catnip. Has medicinal qualities.....	.10	.40	4.00
Coriander. Seeds aromatic.....	.05	.10	.60
Cumin .....	.05	.15	1.00
Dill. Seeds used for flavoring vinegar.....	.05	.10	.60
Fennel. Sweet. Seeds aromatic; for flavoring. “ Florence. In flavor resembling celery .....	.05	.15	1.25
Henbane. Has medicinal qualities; poisonous .....	.05	.15	1.00
Horehound. Has medicinal qualities.....	.05	.25	2.50



ROSEMARY

	Pkt.	Oz.	Lb.
Hyssop. Has medicinal qualities.....	\$0.05	\$0.25	\$2.50
Lavender. For oil and distilled water.....	.05	.20	2.00
Marjoram. Pot. Used in seasoning.....	.10	.40	4.00
“ Sweet. Used in seasoning....	.05	.20	1.25
Rosemary. Yields an aromatic oil and water .....	.05	.30	3.00
Rue. Said to have medicinal qualities.....	.05	.20	2.00
Saffron. Used in medicine, and also in dyeing .....	.05	.10	1.00
Sage. Common. A culinary herb; also used in medicine .....	.05	.15	1.50
Savory. Summer. Used as a culinary herb. “ Winter. Used as a culinary herb. ....	.05	.20	2.00
Tansy. Generally used in bitters.....	.10	.50	
Thyme. Broad-leaved English. Used as a seasoning .....	.05	.25	2.50
Thyme. French .....	.10	.30	3.25
Wormwood. Has medicinal qualities.....	.05	.20	2.00

TOBACCO

CULTURE.—Sow seed early in the Spring in seed bed; when plants are about 6 inches high transplant in hills 4 to 5 feet apart each way. Cultivate thoroughly. One ounce of seed for 5000 plants.

WHITE BURLEY

A valuable sort for either cut or plug tobacco. **Pkt. 10c., oz. 40c.**

BIG HAVANA

Large leaf of good flavor and fine texture. **Pkt. 10c., oz. 30c.**

CONNECTICUT SEED-LEAF

A popular variety in the North and New England States. **Pkt. 10c., oz. 25c.**

SWEET ORONOKO

Produces good plug fillers; a fine natural chewing leaf. **Pkt. 10c., oz. 25c.**

IMPROVED GROUND CHERRY

The best of the husk Tomatoes; makes fine preserves. Fruit is a handsome yellow color, nearly round; enclosed in a husk, which opens as fruit matures. Plant and cultivate same as Tomatoes. **Pkt. 10c., oz. 40c.**

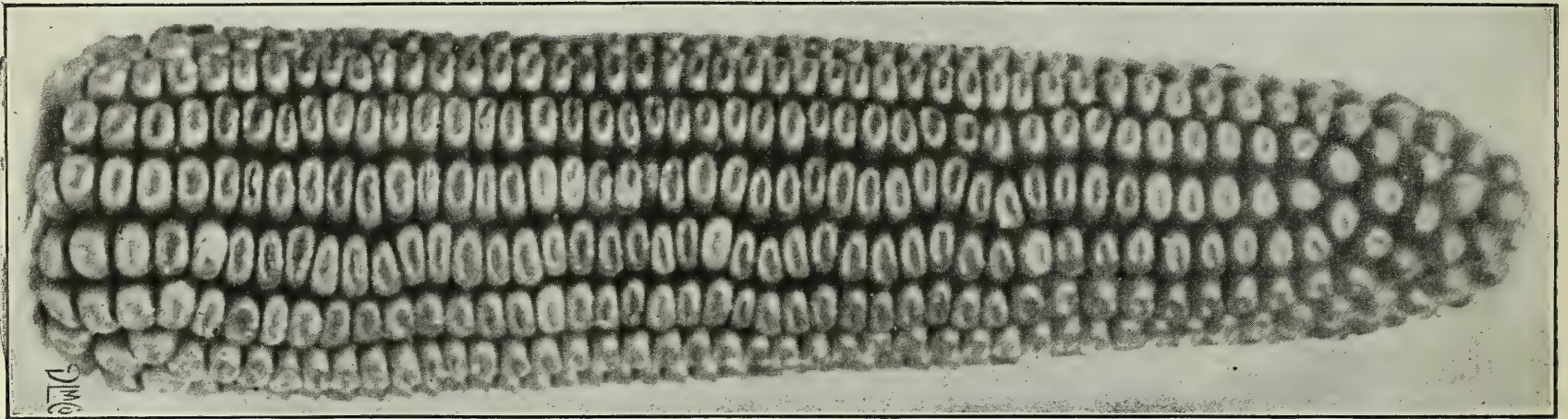
GARDEN LEMON

Produces fruit of a striking appearance, useful for preserves; has a decidedly acid flavor. Very productive. Cultivate same as Muskmelons. **Pkt. 10c., oz. 30c.**

VEGETABLE PLANTS

We can supply, in proper season, **Cabbage, Cauliflower, Lettuce, Egg-Plant, Pepper, Tomato and Sweet Potato Plants** in any quantity. Write for prices, stating the quantity wanted.

FIELD CORN



LEAMING FIELD CORN

DROUGHTPROOF

A Yellow Dent Variety of Great Merit

This is an early yellow Dent, which originated in Ohio. It has been on the market for several years and each year adds to its popularity. The introducer claims: "It is the largest grained and has the smallest cob of any yellow Dent Corn. Brightest colored grain. Fully as early as Leaming. Yield not excelled by any other sort. Strong growth of stalk and handsome ear. An unusual yield of shelled Corn insured by depth of grain." It withstands drought better than other varieties. All points considered, it is the best 90 to 100-day Corn on the market. We have stock direct from Ohio. **Pkt. 10c., 1b. 30c., 3 lbs. 75c.,** by mail, postpaid. By express or freight, not prepaid: **Pk. 75c., bus. \$2.50.**

IMPROVED MASTODON

Considered the Earliest of all Large-Eared Varieties

This Corn originated with Mr. C. S. Clark, of Ohio, who is probably the largest grower of seed Corn in America. He thinks this is the best of all the large-eared sorts. It matures very early, grows a very large ear, deep grain, and of good color. It will grow a crop farther north than any other large Dent variety, and will produce more bushels per acre than any Corn we know of. It matures in from 96 to 110 days; is far ahead of Golden Beauty. It is a cross between White Cap Dent and Early Row Dent. We offer headquarters stock direct from Mr. Clark. **Pkt. 10c., 1b. 30c., 3 lbs. 75c.,** postpaid. By express or freight, not prepaid: **Pk. 75c., bus. \$2.50.**

EUREKA

An early, large-eared yellow Corn, of the Dent variety; grains are very deep, good orange color; cob small; matures early, a week or 10 days later than the Leaming. Very productive; good large fodder. We have sold hundreds of bushels of this variety to our customers in the past 2 or 3 years; they pronounce it the best Corn they have ever grown. **Pkt. 10c., 1b. 30c., 3 lbs. 75c.,** postpaid. By express or freight, not prepaid: **Pk. 75c., bus. \$2.50.**

LEAMING

A very early and prolific variety; ears of good size; grain of good color, very heavy; a very popular variety for ensilage purposes. We know of no better sort for this use, especially in the North. **Pkt. 10c., 1b. 25c., 3 lbs. 65c.,** postpaid. By express or freight, not prepaid: **Pk. 60c., bus. \$2.25.**

GOLDEN BEAUTY

A broad-grained, large-eared variety, maturing in about 120 days. Cob is small; grain very heavy and of a beautiful golden-yellow color. This is a very popular variety in New Jersey. **Pkt. 10c., 1b. 25c., 3 lbs. 65c.,** postpaid. By express or freight, not prepaid: **Pk. 60c., bus. \$2.25.**

FLINT CORN

LONGFELLOW

The longest ear of all the yellow Flint Corn; will ripen as far north as Massachusetts. A good yielder. **Pkt. 10c., 1b. 25c., 3 lbs. 65c.,** postpaid. By express or freight, not prepaid: **Pk. 60c., bus. \$2.25.**

CANADA YELLOW

This is the old and still popular yellow Flint variety. Maturing in 90 days, and is always reliable. Ears are of good length, containing 8 rows of large, yellow grains. Also grows a good fodder. Will mature where other varieties fail. Grows on poor land and gives large crops. A popular New England Corn. **Pkt. 10c., 1b. 25c., 3 lbs. 65c.,** postpaid. By express or freight, not prepaid: **Pk. 60c., bus. \$2.25.**

LARGE WHITE

Large, handsome, well-filled ears; grain white. Will mature early and give good satisfaction. **Pkt. 10c., 1b. 25c., 3 lbs. 65c.,** postpaid. By express or freight, not prepaid: **Pk. 60c., bus. \$2.25.**

If Corn is wanted in lots of 10 bushels or over, write for special prices.

SEED OATS WHITE TARTAR

A favorite variety in New York State, where it is grown in large quantities on account of its many good qualities. Heads are very large, well filled with large kernels, straw very stiff and strong, standing up well in bad weather. Seed is pure white, very meaty, with thin hulls. This variety has outyielded any other in trials and field crops. We have the pure selected stock, grown originally from Mr. Long's own seed. **Pkt. 10c., lb. 25c., 3 lbs. 65c.,** postpaid. By express or freight, not prepaid: **Pk. (8 lbs.) 50c., bus. (32 lbs.) \$1.50, 10 bus. (320 lbs.) \$13.50.**

WHITE CLUSTER

This variety comes to us from the great Oat growing section of Ohio, where it is taking the preference over all other sorts, on account of its enormous yields. Straw is tall, very stiff and heavy; grain large and white, very plump and meaty. Heads are long, of branching habit and well filled always. It has great stooling habit. It thrashes out more bushels per acre than any Oat we know of. **Pkt. 10c., lb. 25c., 3 lbs. 65c.,** postpaid. By express or freight, not prepaid: **Pk. (8 lbs.) 50c., bus. (32 lbs.) \$1.50, 10 bus. (320 lbs.) \$13.50.**

MILLET (Price subject to change) GERMAN OR GOLDEN

Medium early; grows 3 to 5 feet in height; heads are compact and well filled; very large spikes. Seed round and bright golden in color. For hay sow broadcast three pecks to one bushel per acre; for seed plant in drills one-third to one-half bushel per acre. Usually planted from May until August, according to location. **Pkt. 10c., lb. 25c., 3 lbs. 65c.,** postpaid. By express or freight, not prepaid: **Pk. (12 lbs.) 75c., bus. (50 lbs.) \$2.25.**

HUNGARIAN

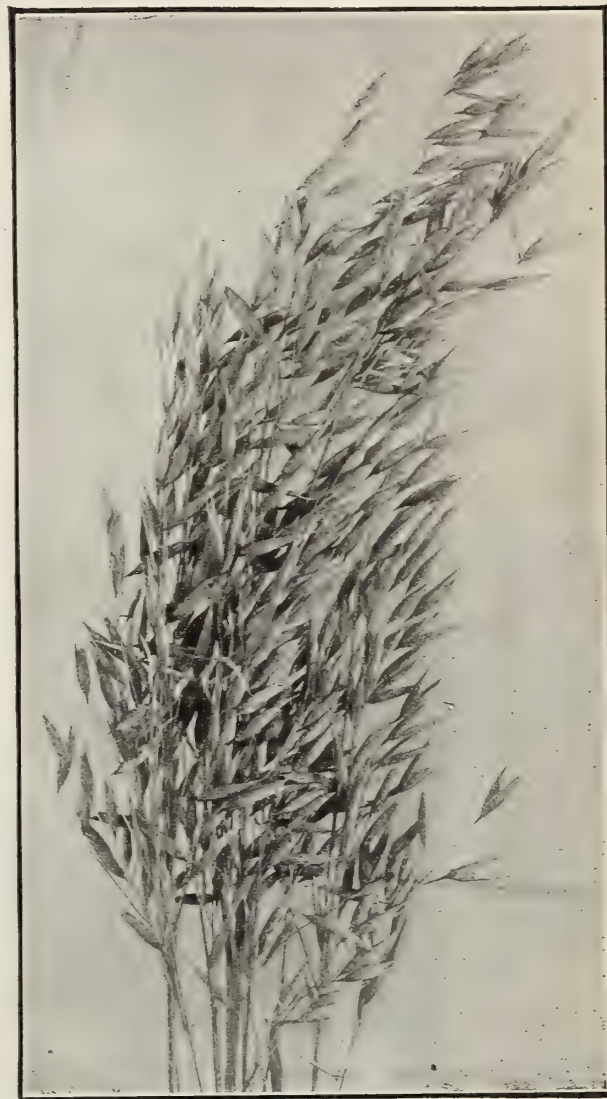
A favorite Summer forage crop. Sown in June can be cut in about 60 days. Will yield 2 to 3 tons of hay per acre. Withstands heat and drought well. Plant about three pecks to one bushel per acre. **Pkt. 10c., lb. 25c., 3 lbs. 65c.,** postpaid. By express or freight, not prepaid: **Pk. (12 lbs.) 75c., bus. (48 lbs.) \$2.25.**

JAPANESE MILLET

Sometimes called Barnyard Millet. Grows very tall, 6 to 7 feet; makes valuable forage, and is the greatest yielder of all the Millets. Sow about 15 lbs. per acre. **Pkt. 10c., lb. 25c., 3 lbs. 65c.,** postpaid. By express or freight, not prepaid: **15 lbs. \$1.25, 100 lbs. \$8.00.**



DWARF ESSEX RAPE



WHITE CLUSTER OATS

RYE

Spring. A fine catch crop to plant where Fall-sown grain has failed. Straw is short and stiff. One and a half bushels per acre. **Pkt. 10c., lb. 25c., 3 lbs. 60c.,** postpaid. By express or freight, not prepaid: **Pk. 50c., bus. \$1.75.**

Winter. The large white Rye largely planted in the Fall. **Pkt. 10c., lb. 25c., 3 lbs. 60c.,** postpaid. By express or freight, not prepaid: **Pk. 50c., bus. \$1.50.**

RAPE

Dwarf Essex. Fine for sheep pasture; this is the best and only profitable variety for pasture. It is also valuable as a soil enricher. Plant in June or July in drills at the rate of 3 lbs. per acre, or broadcast at the rate of 5 lbs. per acre. It can be planted alone or with other forage crops. **Pkt. 10c., lb. 25c., 3 lbs. 65c.,** postpaid. By express or freight, not prepaid: **10 lbs. \$1.25, 25 lbs. \$2.25, 100 lbs. \$8.00.**

VETCHES, OR TARES

Spring Vetch. Plant 2 bushels per acre. Culture same as Field Peas. A valuable cover crop. **Pkt. 10c., lb. 30c., 3 lbs. 75c.,** postpaid. By express or freight, not prepaid: **10 lbs. \$1.25, 25 lbs. \$2.25, 100 lbs. \$9.00.**

Winter, Hairy, or Sand Vetch. Usually planted in Fall, is hardy and enormously productive; a fine cover crop. Can be planted alone or with Rye, at the rate of 1½ bushels, if alone, or 1 bushel of Vetch and ½ bushel of Rye per acre. Cut for forage before seed sets, it will produce a second crop on same ground. **Pkt. 10c., lb. 25c., 3 lbs. 75c.,** postpaid. By express or freight, not prepaid: **10 lbs. \$1.25, 25 lbs. \$2.25, 100 lbs. \$9.00.**

LAWN GRASS SEED

Our Mixtures are Unsurpassed

How and When to Plant.—Sow seed in early Spring, sometime in March or April, or if in the Fall, sow early enough for young shoots to become well established before freezing weather. Soil should be rich, carefully prepared by being thoroughly pulverized. Sow seed when ground is moist and always roll after sowing, if possible. Also advise use of roller in Spring, after frost is out of ground; if any reseeded is done, do it before rolling. All lawns are much benefited by frequent mowing, but do not cut too close in hot, dry weather; also do not cut late in Fall. Well fertilized ground stands drought much better than poor ground. One pound will seed 400 square feet of new ground. Sow 100 lbs. per acre for new lawns. For renewing old lawns sow 25 to 40 lbs. per acre.

 **If Grass seed mixtures are wanted by mail add 8c. per lb. for postage.**



NOLL'S PERFECT LAWN GRASS MIXTURE

This mixture is all the name implies. Compounded from a variety of re-cleaned Grasses only which have proven their superiority as lawn Grasses. Anyone wishing to have the best of results should not fail to sow this mixture. This is no ordinary mixture and is as low in price as is consistent with quality. **Price per lb. 50c., 2 lbs. 90c., 5 lbs. \$2.00, 10 lbs. \$3.50, 20 lbs. and over, at 30c., per lb.**

NOLL'S BRANCH BROOK PARK LAWN GRASS SEED

Named after one of our large city parks where it has been used for a number of years. To customers, who do not wish our highest priced mixture, we can recommend this brand, as it has been in demand for some time. Will produce a fine lawn in six to eight weeks. **Price per lb. 35c., 2 lbs. 60c., 5 lbs. \$1.35, 10 lbs. and over, at 25c. per lb.**

NOLL'S SHADY PLACE GRASS SEED

This mixture contains a majority of Grasses suitable for growing in shady places. Produces an excellent turf in a short time. **Price per lb. 45c., 2 lbs. 80c., 5 lbs. \$1.75, 10 lbs. and over at 30c. per lb.**

NOLL'S TERRACE GRASS SEED MIXTURE

Compounded from quick-growing Grasses which produce a network of long roots, which grow to a good depth, preventing washing out, etc. This brand is sure to satisfy. **Price per lb. 35c., 2 lbs. 60c., 5 lbs. \$1.25, 10 lbs. and over, per lb. 22c.**

NOLL'S PERMANENT PASTURE MIXTURE

A mixture of varieties which will form a permanent pasture, which lasts for years. May be used for pasture one season and for hay crop the next season. Sow on new land which has been plowed and harrowed, at the rate of 50 lbs. per acre. On ground partly covered with Grass, 30 lbs. per acre. **Price per lb. 25c., 10 lbs. \$2.25, 100 lbs. \$20.00.**

CUSTOMERS desiring formulas compounded from any of the varieties of grasses listed, can avail themselves of this opportunity without extra charge.

GRASSES

Note.—Prices given below on pecks, bushels and 100 lbs. of Grasses and Clovers are net figures January 1, 1912 and are subject to market changes.

We endeavor to supply only the best grades of all Grasses and Clovers. Please bear this in mind when comparing our prices with those of others. There are many grades, and prices are often far apart. We have only one grade, "the best."



AWNLESS BROME GRASS

Awnless Brome Grass

Bromus Inermis. Does well on dry and poor soils; will stand long droughts and produce heavy crops. **Lb. 30c., 3 lbs. 75c., postpaid. Bus. (14 lbs.) \$2.50.**

Canada Blue Grass

Useful for growing on hard clay and poor soil, also good for steep places. **Lb. 40c., postpaid. Bus. (14 lbs.) \$4.00.**

Creeping Bent Grass

A valuable Grass for lawns; does well in moist places. **Lb. 55c., postpaid. Bus. (20 lbs.) \$8.50.**

English Rye Grass

Perennial. A vigorous growing Grass in meadows of moist soil. Valuable for permanent pastures. Sow 30 to 40 lbs. per acre. **Lb. 25c., postpaid. Bus. (24 lbs.) \$2.25.**

Hard Fescue Grass

Like Sheep's Fescue, a good Grass for sandy soil and under trees; does not grow tall. Thirty pounds per acre. **Lb. 45c., postpaid. Bus. (12 lbs.) \$4.00.**

Kentucky Blue Grass

One of the best Grasses grown. Does well everywhere. Desirable for lawns. Two bushels per acre. **Lb. 50c., postpaid. Bus. (14 lbs.) \$5.25.**

Meadow Fescue Grass

Used in permanent pastures; very productive. Sow 25 lbs. per acre. **Lb. 55c., postpaid. Bus. (22 lbs.) \$9.50.**

Orchard Grass

Fine for pastures, grows well under trees; very early; withstands drought and heat. Two bushels per acre. **Lb. 45c., postpaid. Bus. (14 lbs.) \$4.50.**

Red Top, or Herd Grass

One of the best permanent Grasses. Makes good pasture; valuable also for hay. Twenty pounds per acre. Fancy, free from chaff. **Lb. 45c., postpaid. Bus. (32 lbs.) \$9.50.**

Red Top, or Herd Grass

Same as above, except it is in chaff. Weighs only 14 lbs. per bushel. Two bushels per acre. **Lb. 25c., postpaid. Bus. (14 lbs.) \$2.00.**

Rhode Island Bent Grass

Valuable for lawns or pastures. Does well on any soil. Forty pounds per acre. **Lb. 55c., postpaid. Bus. (14 lbs.) \$6.00.**

Sheep's Fescue Grass

Should be sown in all sheep pastures. Does well in dry soils. Thirty pounds per acre. **Lb. 45c., postpaid. Bus. (12 lbs.) \$4.00.**



ENGLISH RYE GRASS

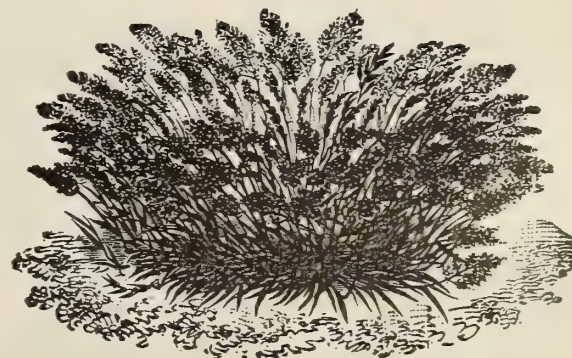
Prices on grass seed are subject to change without notice

Timothy Grass

The most popular of all for hay. Planted in all sections. If planted alone, 15 to 20 lbs. per acre, less if with other Grasses. **Lb. 30c., 3 lbs. 80c., postpaid. Bus. (45 lbs.) \$7.50.**

Wood Meadow Grass

Fine for shady places. Makes a fine sod. Sow two bushels per acre. **Lb. 90c., postpaid. Bus. (14 lbs.) \$11.**



KENTUCKY BLUE GRASS

CLOVERS

ALFALFA, OR LUCERNE CLOVER

The Clover of the West and being more largely planted in the East every year. When thoroughly established can be cut three or four times a year, yielding heavily each cutting. Do not plant on heavy soil. Soil must be thoroughly prepared by deep plowing and harrowing until it is in fine condition. Sow 20 to 25 lbs. per acre. **Lb. 40c., 3 lbs. \$1.10, postpaid. 25 lbs. \$7.50, 100 lbs. \$28.00.**

ALSIKE, OR SWEDISH CLOVER

The hardiest of the Clover family. Very valuable for pasture. Lasts many years. It is very sweet and fragrant. Bees obtain much honey from this Clover. Sow eight to ten pounds per acre. **Lb. 40c., 3 lbs. \$1.10, postpaid. Pk. (15 lbs.) \$4.50, bus. (60 lbs.) \$16.00.**

WHITE CLOVER

Valuable for lawns or for pastures; also very valuable for bees. Sow at rate of 3 lbs. per acre with other Grasses, or 6 lbs. if sown alone. **Lb. 55c., 3 lbs. \$1.50, postpaid. Pk. (15 lbs.) \$6.50, bus. (60 lbs.) \$25.00.**

RED CLOVER

Well known in all sections; planted largely wherever Grass is grown. Sow Spring or Fall, eight to twelve pounds per acre. **Lb. 40c., 3 lbs. \$1.10, postpaid. Pk. (15 lbs.) \$4.25, bus. (60 lbs.) \$15.50.**

SCARLET, OR CRIMSON CLOVER

Used largely as a soil enricher. Sown in the Fall and plowed under in Spring it is a very valuable green manure. Plant 15 lbs. per acre. **Lb. 35c., 3 lbs. 90c., postpaid. Pk. (15 lbs.) \$3.25, bus. (60 lbs.) \$12.00.**



ALFALFA, OR LUCERNE CLOVER

ALFALFA

COW PEAS, SOY BEANS, CLOVERS

Must have inoculation to enable them to grow.

Enrich the soil and yield big crops.

Alfalfa can be grown successfully in the red clay soils or the sandy soils of New Jersey. The only requirements being a good seed bed free from weeds—well drained land—and the very necessary nitrogen-gathering bacteria, without which Alfalfa cannot exist. The practice of transferring soil known to contain these bacteria to other fields is both costly and dangerous—weeds, soil and plant diseases are spread in this manner. All inoculations should be made only with the pure cultures of Farmogerm inoculations, to secure positive beneficial results.

Legumes will deposit 1200 lbs. of nitrates per acre when inoculated with FARMOGERM and will increase in yield 50 to 200 per cent.



RESULTS OF FARMOGERM ON ALFALFA

Trade **FARMOGERM** Mark
HIGH-BRED NITROGEN GATHERING BACTERIA
SEED AND SOIL INOCULATIONS

PEAS, BEANS, SWEET PEAS

Bear earlier, longer and better and enrich the soil.

Truck gardeners, private estates, farmers and Agricultural Experiment Stations throughout the United States strongly indorse Farmogerm inoculations. Farmogerm comes in bottles ready for use—you can inoculate seed for ten acres in ten minutes. We strongly recommend the use of Farmogerm inoculations whenever you plant legumes of any description, and will gladly send you complete information, upon request.

PRICES—5 acre size bottles \$9.00; 1 acre size bottle \$2.00; Garden size bottle 50cts.



NITRATE SACKS ON LEGUME RODS

NOLL'S

Special Offer for 1912

We have selected this page to advertise our 1912 offer, which we are making to every customer purchasing our seed in packets and ounces.

This is a very liberal offer and every customer should take advantage of it. We do not offer free packets of seed for trial or offer confusing discounts, but every customer may select their own premium on the following plan.

For Every 75 cents Remitted
for packets or ounces
You May Select 25 cents Worth Extra
in packets
Either Vegetable or Flower Seeds

Please bear in mind, this premium applies only, on packets or ounces of either vegetable or flower seeds. It does not apply to $\frac{1}{4}$ lbs., $\frac{1}{2}$ lbs., lbs., pints, quarts, pecks, bushels, flowering plants, bulbs, roots or trees.

CHOICE FLOWER SEEDS

We make a specialty of sending out only choice varieties of flower seeds, which are grown for us by experts in this line. We do not send out seeds carried over from previous seasons, but seeds we get fresh every year. We have thousands of satisfied customers who purchase their flower seeds from us, as well as other seeds, etc., in our line. Send us an order and be one of the satisfied customers.

ANNUALS. Attain full growth, flower and die in one year.

BIENNIALS. Grow from seed one year, bloom and die the next, though some varieties bloom the first season when sown early.

PERENNIALS. Last for several years, blooming annually after the first season, though some varieties will bloom the first season if sown early.

EXPLANATION OF ABBREVIATIONS

H. A.—Hardy Annuals.
H. H. A.—Half-hardy Annuals.
T. A.—Tender Annuals.

H. B.—Hardy Biennials.
H. H. B.—Half-hardy Biennials.
H. P.—Hardy Perennials.
H. H. P.—Half-hardy Perennials.

T. P.—Tender Perennials.
G. P.—Greenhouse Plant.
C.—Climber.

Abronia

Umbellata (Sand Verbena). Very pretty trailing plants; numerous clusters of sweet-scented flowers. Rosy lilac with white eye. H. H. A. 6 in. **Pkt. 5c.**

Abutilon

(Flowering Maple)

Handsome little bushes; bears pretty drooping bell-shaped flowers on slender stems. The plants flower profusely and almost constantly. Blooms readily from seed the first Summer. G. P. 2-3 ft. **New French Hybrids, magnificent mixed. Pkt. 15c.**

Achillea

The Pearl (Yarrow). An abundance of charming, large, double, pure white flowers throughout the Summer; splendid for cutting; excellent florist's flower; of easy culture. H. P. 2 ft. **Pkt. 10c.**

Aconitum

Napellus (Monk's Hood). Long spikes, curiously shaped blue and white flowers. Plant in a shady position. Seed germinates slowly. H. P. 3 ft. **Pkt. 5c.**

Adlumia

(Allegheny Vine)

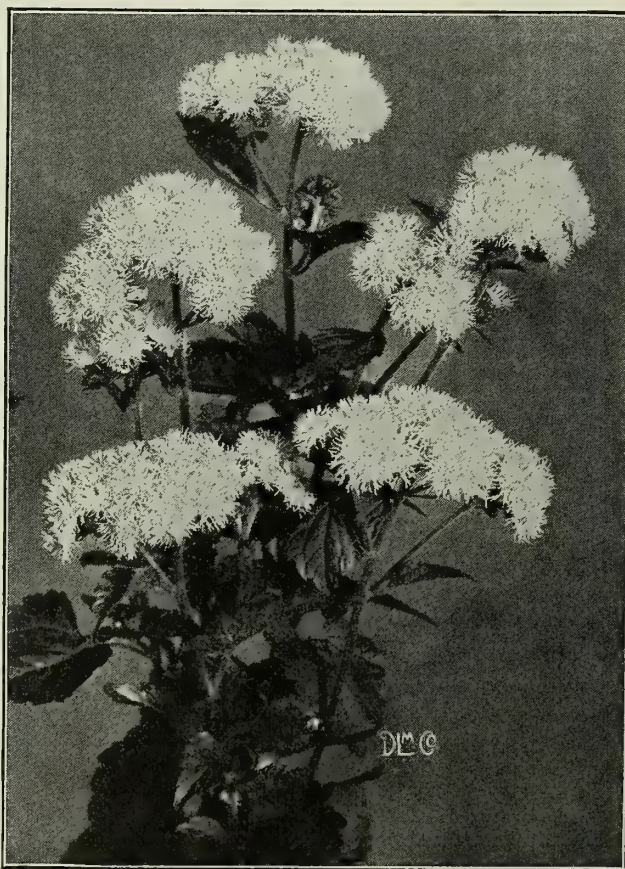
Feathery foliage like the Maiden-hair Fern. Flowers tube-shaped, delicate rose, pink and white, completely cover the plant. Desirable for covering trellises, stumps of trees, etc. H. P. C. 15 ft. **Pkt. 10c.**

Agrostemma (Rose Campion)

Mixed. Bright colored flowers on long, slender stems like a single pink; blooms the first season. Fine cut flower. H. P. 1-2 ft. **Pkt. 5c.**

Ageratum (Floss Flower)

One of the leading plants for beds or borders. Rapid growers, early and constant bloomers, and their bright flowers are produced in the greatest profusion. H. A.



AGERATUM PURITY

Little Blue Star. The best of all dwarf flowering sorts. The small plants are almost completely covered with the lovely clusters of light blue flowers with dark red center, changing to pure light blue. 4-5 in. **Pkt. 10c.**

Blue Gem. Large dark blue flowers. 6 in. **Pkt. 5c.**

Purity. A beautiful variety. Large, pure white flowers of finest form. 9 in. **Pkt. 10c.**

Mixed. All sorts. **Pkt. 5c., ¼ oz. 15c.**

Alyssum

A free flowering annual of great beauty and utility. Easy to grow and everywhere popular. Useful for beds, vases, edgings or rockeries. The fragrant flowers may be cut constantly all Summer, others forming at once. H. A.

Carpet of Snow. The plants grow so dense and are so completely covered with the magnificent snow-white blooms that they create the impression of a beautiful carpet of snow. The best variety for beds or borders. Commence to bloom when quite small and will flower all Summer until late in the Fall. 3-4 in. **Pkt. 10c., ½ oz. 20c., oz. 35c.**

Sweet. A fine variety for cut flowers. To prevent sowing too thickly mix seed with sand before sowing. 4-5 in. **Pkt. 5c., ½ oz. 15c., oz. 25c.**

Saxatile compactum (Basket of Gold). Beautiful golden yellow flowers. Desirable for rockwork. H. P. 12 in. **Pkt. 5c.**

Amaranthus

Ornamental foliage plants of striking effect. Do not grow too closely; allow room for development. T. A.

Caudatus (Love-Lies-Bleeding). Blood-red; drooping. 3 ft. **Pkt. 5c.**

Tricolor Splendens (Joseph's Coat). Scarlet, green and yellow; a fine variety. 3 ft. **Pkt. 5c.**

Mixed. Many beautiful sorts. **Pkt. 5c.**

Ampelopsis Veitchii (Boston Ivy)

Clings to the smoothest walls. In the Autumn the glossy leaves assume the most beautiful tints of scarlet and crimson. H. P. C. 30-60 ft. **Pkt. 10c.**

Antirrhinum (Snapdragon)

A showy and useful plant, and one of the most popular flowers; useful for beds or borders. H. A.

Tom Thumb, Finest Mixed. A remarkable range of gorgeous colors, unsurpassed for pot culture. 10 in. **Pkt. 10c.**

Queen of the North. One of the finest; forms a large plant, that is densely covered with large pure white flowers. 1 ft. **Pkt. 10c.**

New Giant Flowering, Mixed. Rivals the finest Orchids in color and markings. 18 in. **Pkt. 10c.**

Tall Mixed. All sorts. 2 ft. **Pkt. 5c.**

Aquilegia (Columbine)

Bears countless numbers of exquisite blossoms. Few hardy perennials are as easily raised from seed. H. P.

Single Mixed. All colors. 2 ft. **Pkt. 5c.**

Double Mixed. All colors. 2 ft. **Pkt. 5c.**

Aristolochia Sipho (Dutchman's Pipe)

Rapid, luxuriant growth; large, heart-shaped leaves; curious brown-purple flowers, thought to resemble pipes. H. P. C. 30 ft. **Pkt. 10c.**



TYPE OF SINGLE-FLOWERED AQUILEGIA

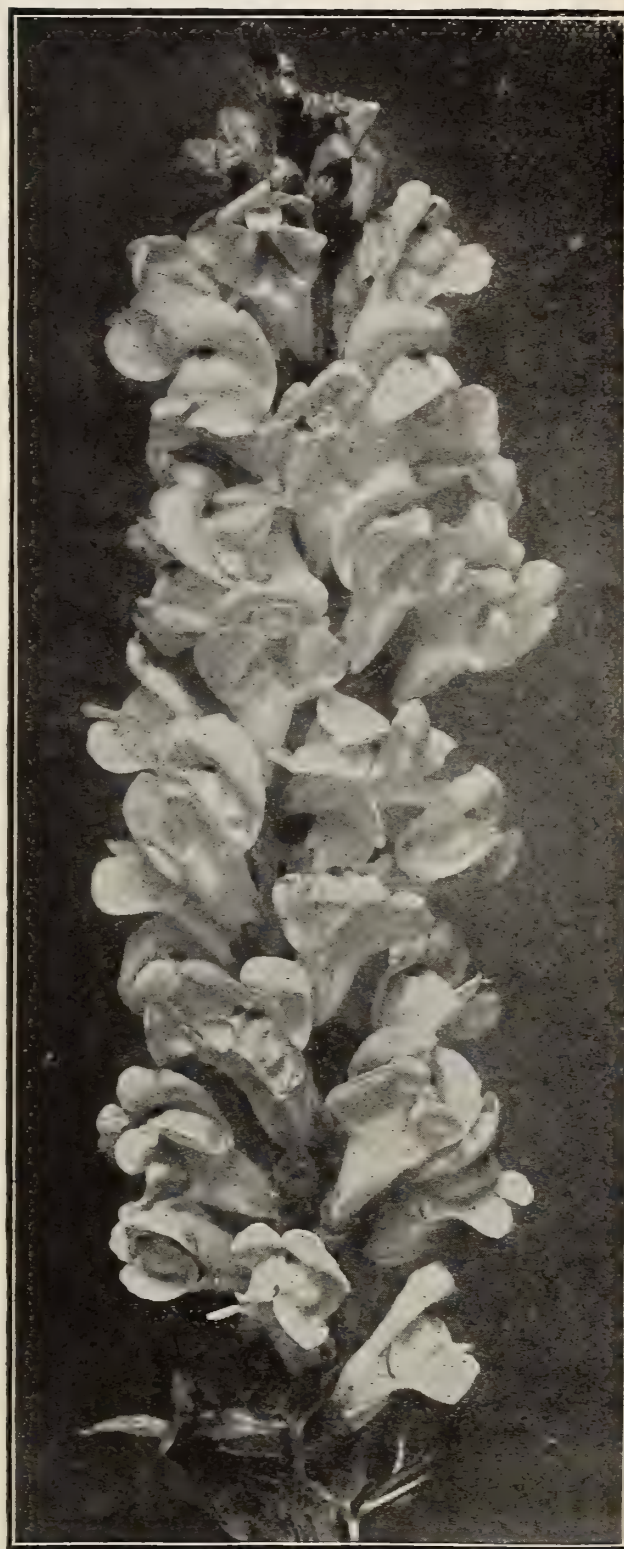
Asparagus

Sprengeri (Emerald Feather). One of the best plants to grow in suspended baskets. Remains fresh a long time after planting. T. P. 4-6 ft. **Pkt. 10c.**

Plumosus nanus (Climbing Lace Fern). Of wonderful beauty, the leaves are bright green, gracefully arched, surpassing the Maiden-hair Fern in grace, texture and richness of color. T. P. 3-4 ft. **Pkt. 20c.**

Asperula Odorata (Sweet Woodruff)

Grown for the fragrant leaves and stems, which, when dried, have a sweet odor and are used for putting among clothes. H. P. 6 in. **Pkt. 5c.**



ANTIRRHINUM, QUEEN OF THE NORTH

For 1912 Offer See page 51

NOLL'S ASTERS (QUEEN MARGARET)

Asters are of very easy culture. Seed can be grown in the open ground in May, for blooming during September and October. For earlier blooms sow in March or April in hotbed, coldframe or boxes in the house. Do not cover seed more than one-quarter of an inch. H. A.

Noll's Mammoth Chrysanthemum-Flowered

They combine more points of merit than any other one class of Asters, bearing extraordinarily large semi-spherical double flowers, averaging five inches in diameter, of the most symmetrical form. They are of great durability, the petals being of splendid substance, withstanding storms, rains and hot suns better than any other Aster. 20 in.

White. Handsome, pure satiny white, fine form. **Pkt. 10c.**

Scarlet. Magnificent, glowing crimson-scarlet. **Pkt. 10c.**

Peach Blossom. Extra fine, lovely bright rose. **Pkt. 10c.**

Light Blue. Beautiful light azure-blue. **Pkt. 10c.**

Mixed. All colors. **Pkt. 10c., 1/4 oz. 75c., oz. \$2.50.**

Queen of the Market

The best early Aster in cultivation. Usually in bloom two weeks before most other sorts. 1 ft.

White, Crimson, Pink, Blue. Each, **pkt. 10c.** **Mixed.** All colors. **Pkt. 10c., 1/4 oz. 35c., oz. \$1.00.**

Noll's Improved Victoria

Our strain of this type is undoubtedly the finest in existence. Flowers large, perfectly double, each petal elegantly overlapping and beautifully imbricated; plants of pyramidal form. 18 in.

Pure White, Apple Blossom, Crimson, Light Blue, Violet. Each, **pkt. 10c.** **Mixed.** **Pkt. 10c., 1/4 oz. 75c.**

Truffaut's Peony-Flowered

Flowers very large, from 3 to 4 inches in diameter; stems long and wiry. 18-24 in.

Pure White; Gravelotte, blood-red; Pink. Each, **pkt. 10c.** **Mixed.** **Pkt. 10c., 1/4 oz. 40c.**

Semple's Late Branching

Superior to any other class of late-flowering branching Asters. Flowers large, 4 inches across, very double, and are borne on long stems. Grand for cutting. 18-24 in.

White, Lavender, Shell Pink. Each, **pkt. 10c.** **Mixed.** **Pkt. 10c., 1/4 oz. 30c., oz. \$1.00.**

Giant Comet or Poodle

Flowers of immense size, often 6 inches across. Long wavy twisted petals, gracefully formed into loose yet dense half globes, resembling Japanese Chrysanthemums. 12-16 in.

White, Bright Rose, Dark Violet, Azure Blue, Crimson. Each, **pkt. 10c.**

Mixed. **Pkt. 10c., 1/4 oz. 35c., oz. \$1.25.**

Noll's 25 cent Superb Aster Collection

Aster, Noll's Mammoth Chrysanthemum Flowered Mixed Aster, Queen of the Market, Mixed. Aster, Noll's Improved Victoria, Mixed. Aster, Truffaut's Peony Flowered, Mixed. One Packet of Each of the Above 4 Superb Asters, only 25 cents, postpaid.

Ostrich Feather

Resembles Giant Comet in form, differing in a greater freedom of bloom. Flowers have more loosely arranged petals and are from 5 to 7 inches in diameter. 12-16 in. Finest mixed. **Pkt. 10c.**

Noll's Choice Varieties Mixed

Comprises over 80 sorts of Asters and is the best mixture known for general planting. It is made by ourselves and includes the choicest kinds. **Pkt. 10c., 1/8 oz. 25c., 1/4 oz. 40c., oz. \$1.25.**



COMET, OR POODLE ASTER, MIXED

Balloon Vine (Love-in-a-Puff)

A rapid grower; bears small white flowers followed by inflated seed pods. T. A. C. 10 ft. **Pkt. 10c.**

Noll's Superb Camellia-Flowered Balsam

(Lady's Slipper, or Touch-Me-Not)

This strain is the highest point of perfection yet attained, the magnificent flowers being of immense size and faultless form. More uniformly double than any other strain and in diversity of brilliant colors is unsurpassed. The plants should be transplanted once or twice to insure a greater number of double flowers. H. A. 18-24 in. **Finest Mixed. Pkt. 10c., ¼ oz. 30c., oz. \$1.00.**

Giant White Camellia-Flowered. Large pure white flowers. Perfectly double. H. A. 18-24 in. **Pkt. 10c.**

Finest Dwarf Double, Mixed. Very useful for borders; the plants make perfect little bushes that are completely covered with double flowers, of almost every color. H. A. 8-10 in. **Pkt. 10c., ¼ oz. 30c.**

Baby or Fairy Roses

Blooms in three months after sowing. Seed sown in February in the house, will bloom in June in the open ground, and continue throughout the season. Flowers mostly double, borne in clusters. Fine for beds or borders. Soak seed in warm water 48 hours before sowing. H. P. 15 in. **Pkt. 10c.**

Begonia

They take rank with Geraniums and Coleus as bedding plants, doing as well in full sunlight as in partial shade. Easily raised from seed. T. P. 8-12 in.

Vernon. Fibrous-rooted. Bright orange-carmine flowers. **Pkt. 10c.**

Tuberous-Rooted. Double and single, mixed. All colors. **Pkt. 20c.**

Bird of Paradise Flower

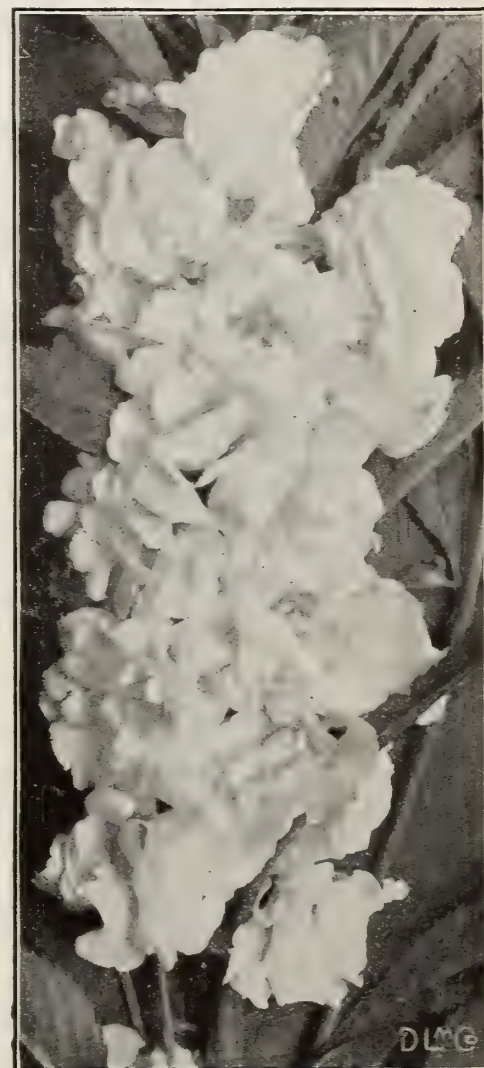
Flowers rich golden-yellow, 2½ inches in diameter, produced in large trusses; the incurved stamens and pistils are of a beautiful bright scarlet, and are indeed striking. Soak seed in warm water for 24 hours before planting and start indoors or under glass in light soil. G. P. 24-36 in. **Pkt. 10c.**



BUTTERFLY FLOWER, MIXED COLORS

Bitter Sweet (Wax Work)

Handsome large leaves; yellow flowers in May and June; clusters of ornamental orange-capsuled fruit in Autumn. H. P. C. 15-25 ft. **Pkt. 5c.**



NOLL'S SUPERB CAMELLIA-FLOWERED
BALSAM

Boltonia Asteroides (1000 to 1 Aster)

Innumerable white flowers nearly an inch across. Flowers from July until October. H. P. 3-5 ft. **Pkt. 10c.**

Browallia (Amethyst)

Completely covered during Summer with innumerable flowers. Sow in August for Winter blooming. G. P.

Speciosa major. Brilliant ultramarine-blue flower, larger than any other variety. 1 ft. **Pkt. 10c.**

Mixed. Many colors. 18 in. **Pkt. 5c.**

Butterfly Runner Bean

The large wings are pure spotless white, standard salmon-rose. These two colors make a most extraordinary contrast, which is very striking. Fine for arbors and trellis, surpassing the Scarlet Runner in abundance of bloom. A. C. 12-15 ft. **Pkt. 10c.**

Butterfly Flower (Poor Man's Orchid)

Easily grown, bearing quantities of gay butterfly-like flowers, beautifully marked. For Winter blooming in pots this is one of the most desirable of all flowers. H. A. 18-24 in. **Mixed Colors. Pkt. 5c.**

Calceolaria

Highly colored, pocket-like flowers produced in great profusion. Sow seed on surface of light soil or leaf mould. G. P. 1 ft.

Fine Mixed Hybrids. Pkt. 20c.



CALLIOPSIS, HYBRIDA SUPERBA

Campanula (Bellflower, Canterbury Bell)

Bears a great profusion of attractive bell-shaped flowers. Thrives in almost any soil. H. P. 1-2 ft.

Carpatica. Large blue or white flowers. Blooms the entire season. 6-12 in. **Pkt. 5c.**

Double White (Peach Bells). The flowers are pure white. Very showy and unexcelled for the hardy border. 2 ft. **Pkt. 15c.**

Medium. Blooms best the second year. Splendid single and double varieties. H. B. 2 ft. **Mixed. Pkt. 5c.**

Canary Bird Flower

Finely cut leaves, and bears a profusion of beautiful golden yellow fragrant flowers. A pretty vine for a sheltered position. T. A. C. 10 ft. **Pkt. 5c., oz. 25c.**

Candytuft

Requires little care, and blooms all Summer. Sow in early Spring and again in August. H. A. 6-12 in.

Empress. Large white trusses of branching habit, very free-blooming. Recommended for bedding and also fine as a cut flower. **Pkt. 5c., oz. 25c.**

Little Prince. This charming dwarf variety is in great demand for borders and is a very satisfactory and pleasing bedder. The bloom is pure white; plant of compact growth and a profuse bloomer. **Pkt. 5c., oz. 30c.**

Carminea. Large umbels, rich carmine. **Pkt. 5c.**

Purpurea. The very darkest crimson. A handsome strain. **Pkt. 5c.**

Mixed. All colors, in finest mixture. **Pkt. 5c., oz. 25c.**

Hardy Perennial Candytuft

Semperflorens. Pretty white flowers, evergreen foliage. **Pkt. 10c.**

Gibraltarica. Lilac, shaded to white. **Pkt. 10c.**

Canna (Indian Shot Plant)

Produce a rich effect with their broad and massive foliage and spikes of brilliant flowers. Pierce shell of the seed and soak in warm water 24 hours. Blooms from seed the first year. T. P. 2-5 ft.

Crozy's Hybrids. Magnificent flowers, thick leathery foliage. Makes a splendid display when used in beds or for backgrounds. **Pkt. 10c., oz. 25c.**

Fine Mixed. All colors. **Pkt. 5c., oz. 15c., ¼ lb. 50c.**

Calendula (Cape, or Pot Marigold)

Will grow in almost any soil. Blooms abundantly and continuously; of easy culture; indispensable for garden or pot culture. H. A. 1 ft.

Prince of Orange. Flowers often 4 inches across, perfectly double, of the most brilliant orange color. A profuse bloomer. **Pkt. 5c.**

Mixed. Many beautiful double sorts. **Pkt. 5c., oz. 15c.**

Calliopsis

Thrives in any soil and requires scarcely any care. Blooms until frost. Fine cut flower. H. A. 12-30 in.

Hybrida Superba. Forms dense bushes, covered the entire Summer with the beautiful flowers, in all shades of orange-yellow to the deepest velvety brown. Desirable for groups, borders and pots. 18 in. **Pkt. 10c.**

Golden Glory. Fine golden-yellow blossoms, toothed at edges. 2 ft. **Pkt. 5c.**

Mixed. All sorts and colors. **Pkt. 5c., oz. 20c.**



CAMPANULA, CARPATICA

Giant Marguerite Carnation

All Colors, Finest Mixed

Blooms in a few weeks from sowing. Makes a magnificent display in the open garden. This strain is the most compact and floriferous. For bedding or borders are unsurpassed and are very easily managed, doing exceedingly well in almost any soil, but amply repay attention. Almost every color is represented to some extent, and all are delightfully fragrant. Plant grows upright and needs no support. The flowers are double and very large, measuring about 3 inches. H. A. 18 in. **Pkt. 10c., 3 pkts. 25c., ¼ oz. 50c.**

Giant White. **Pkt. 10c.** **Giant Scarlet.** **Pkt. 10c.**

Double Dwarf Vienna. Double, sweet-scented flowers in a great variety of colors. A profuse bloomer. **Pkt. 10c.**

Catchfly

Forms compact, round bushes; produces dense umbels of red, pink or white flowers. Plant covered with a glutinous moisture, hence the name. H. A. 12 in. **Mixed.** All colors. **Pkt. 5c.**

Celosia (Cockscomb)

Of easy culture and should be planted in every garden, large or small. The dwarf flowering varieties are excellent for borders and the taller sorts for backgrounds. Blooms the entire Summer. H. A.

President Thiers. Bears large crimson combs. Excellent for borders; when so planted is a beautiful sight. 1 ft. **Pkt. 10c.**

Cristata, Dwarf Mixed. The best dwarf varieties. 1 ft. **Pkt. 5c.**

Thompson's Magnifica. The most perfect strain of ostrich-plumed Cockscombs. Color ranges from clear yellow to blood-red in the most magnificent shades. 2-3 ft. **Pkt. 10c.**

Plumosa, Tall Mixed. All the pyramidal formed types in mixture. 2-3 ft. **Pkt. 5c.**

Spicata. Flowers pink, shading to silver-white. 2½ ft. **Pkt. 5c.**



GIANT MARGUERITE CARNATION

Centaurea Cyanus

(Blue Bottle, Ragged Sailor, Korn Blume, Corn Flower, Bluet, Bachelor's Button, Etc.)

Very free-flowering. Favorite flowers for cutting, especially for bouquets. H. A. 2-3 ft.

Blue Emperor. Fine bright blue. **Pkt. 5c., oz. 15c.**

Double Blue. A fine cut flower; a very few make a fine bouquet. **Pkt. 10c., ¼ oz. 30c.**

Mixed. Single and double varieties. **Pkt. 5c., ½ oz. 20c., oz. 35c.**

Centaurea, Giant Sweet Sultan (Centaurea Imperialis)

Will keep for at least a week if cut when just about to open. Sow every three weeks for a constant succession of magnificent blooms the entire Summer and Fall. Blossoms about 5 inches across. H. A. 4 ft.

Chameleon. Pale yellow when opening, turning to a beautiful rose color. **Pkt. 10c.**

Odorata. Beautiful light blue, highly fragrant. **Pkt. 10c.**

Margaritæ. Snow-white blossoms. Extra large flowers on stems about 2 feet long. The blossom has a lasting fragrance and is in great demand for cut flowers. **Pkt. 10c.**

Suaveolens (Grecian Corn Flower). Brilliant yellow, sweet scented. **Pkt. 10c.**

Imperialis, Mixed. The above sorts. **Pkt. 5c.**

Centaurea (Dusty Miller)

Extensively used for borders, margins, bedding and hanging baskets. H. H. P. 1 ft.

Candidissima. Silvery white, cut foliage. **Pkt. 10c.**

Gymnocarpa. Silver-gray foliage. **Pkt. 10c.**

Chrysanthemum

Extremely showy and effective Summer bloomers, flowering freely through the Summer months until cut down by frost. H. A. 2-3 ft.

Golden Queen (Baby Golden Glow). Start seed indoors; blooms start almost immediately. The golden yellow are entirely double and the entire plant is completely covered so that the foliage is almost hidden. **Pkt. 10c.**

Bridal Robe. Like above, except color. A bed in full bloom resembles a drift of snow. **Pkt. 10c.**

Coronarium. Finest double varieties, mixed. **Pkt. 5c.**

Single Finest Mixed (Painted Daisies). Handsomely marked daisy-like flowers. **Pkt. 5c.**

Chinese and Japanese, Large Flowering. Seed sown early in the house will produce plants that will bloom the first year. Highly recommended. Many blooms are single or semi-double, but all are excellent for cutting. H. P. 2-3 ft. **Pkt. 20c.**

Frutescens (Paris Daisy or French Marguerite). Large, star-shaped white flowers, with yellow center. H. P. 1 ft. **Pkt. 10c.**



CENTAUREA CYANUS, BLUE EMPEROR



CINERARIA, NOLL'S CHOICEST HYBRIDS

Chinese Lantern Plant or Japanese Winter Cherry

Produces in great abundance balloon-like husks about $3\frac{1}{2}$ inches across, which at first are bright green, changing later to yellow, then orange and scarlet, greatly resembling at the last miniature Chinese lanterns when lighted. H. A. 2 ft. **Pkt. 10c.**

Coffea Arabica (Coffee Tree)

Shrubby, bushy habit. The coffee of commerce. Seeds should be sown in boxes indoors about January and planted out when all danger of frost is past. G. P. 5 ft. **Pkt. 10c.**

Convolvulus (Morning Glory)

Easily grown in any situation. One of the most popular climbing plants. Almost every color is represented and for covering arbors or trellis is entirely satisfactory. H. A. C.

Major. This is too well known to need a description. One seldom finds a more satisfactory vine. 12-15 ft. **Mixed Colors. Pkt. 5c., oz. 10c.**

Minor (Trailing, or Dwarf Morning Glory). An excellent bedder, completely covers the ground; the large flowers are of many brilliant colors. 1 ft. **Tricolor, Mixed. Pkt. 5c.**

Coreopsis

Lanceolata. The bright yellow flowers are produced freely all Summer. Will grow and thrive anywhere. H. P. 2-3 ft. **Pkt. 5c.**

Cotton

The Cotton plant is always interesting, particularly to the young people of the North. The large yellow Hibiscus-like flowers are followed by pointed pods, which on coming to maturity burst and display a profusion of white down which forms the cotton of commerce. In the North, if the seeds are started early in a hotbed or in the house, the plants will produce mature pods before frost. Try a packet this year as it is an interesting study to watch the pods gradually open and display their fleecy whiteness. T. A. 3 ft. **Pkt. 10c.**

Cineraria (Cape Aster)

Our strain of Cineraria seed is unsurpassed for beautiful variety, richness of color, as well as perfection of form and size of flower. G. P. 18 in. **Noll's Choicest Hybrids.** Our superior strain. **Pkt. 25c.**

Clarkia

A profuse bloomer. Colors red, white, purple, etc. H. A. 18 in. **Fine Mixed.** Double and single varieties. **Pkt. 5c.**

Clematis

One of the best climbers for trellis, veranda, etc. H. P. C. 15-20 ft.

Paniculata (Virgin's Bower). Star-like white blossoms, so densely produced as to completely hide the glossy green leaves; never troubled by insects. Flowers very fragrant. **Pkt. 10c.**

Jackman's Hybrids. Large flowering varieties. Colors purple, red, white, etc. **Pkt. 10c.**

Mixed, all sorts. Pkt. 10c.

Cobæa (Cathedral Bells)

One of the handsomest and most rapid growers. Flowers large, bell-shaped and a profuse bloomer. Place seed edgewise when planting. A. C. 30 ft.

Scandens. Rich purple. **Pkt. 10c.**

Mixed. Pkt. 10c.

Coleus

The handsomest foliage plant obtained from seed, largely used for beds or borders. The colorings on the leaves are remarkably rich and varied, ranging through all colors, variously combined and delicately blended. T. A. 12-24 in.

Mammoth Rainbow. Large leaves, often 10 inches in length and 8 inches across, crumpled and serrated in various ways. A bed looks like a mammoth rainbow, so rich are the colors. **Pkt. 15c.**

Fine Mixed. Many fine varieties. **Pkt. 10c.**

Commelina (Floral Butterfly Plant)

Superior plants for carpet bedding or hanging baskets. In pots plants bloom every day in the year. The most beautiful blue flower in cultivation; large butterfly-like blossoms. As easily raised as a weed. G. P. C. **Pkt. 10c.**



CONVOLVULUS MAJOR, MIXED COLORS

Cosmos

(The Glory of Autumn)

One of the most popular Autumn flowers and superior for cutting, lasting for several days. Start seed indoors to obtain an earlier and longer period of bloom. When the plants are about a foot high the top should be pinched off to induce a bushy growth. H. A. 3-7 ft.

Noll's Mammoth Flowered, Superb Mixed. Flowers of this superb strain are 5 inches across, in the most exquisite shades of pink, crimson, red and dark maroon. The broad petals have great beauty. Start seed early and the results will be surprising. **Pkt. 10c., ¼ oz. 15c., ½ oz. 25c.**

Noll's Mammoth Flowering, Pearl. Pure white. **Pkt. 10c.**

Noll's Mammoth Flowering, Pink. **Pkt. 10c.**

Noll's Mammoth Flowering, Sanguineus. Red. **Pkt. 10c.**

Large Flowered, Choice Mixed. All sorts in finest mixture. **Pkt. 5c., ½ oz. 15c., oz. 25c.**

Early Summer Flowering. This new strain of early flowering Cosmos we have been working up for several years. The plants are dwarfer than the late flowering Cosmos, forming compact bushes. The colors are white, crimson and pink, which we offer only in mixture. **Mixed Colors. Pkt. 10c., ¼ oz. 25c., ½ oz. 40c.**

Lady Lenox. Immense flowers of an exquisite shade of shell pink. Petals so wide that they overlap each other. **Pkt. 10c.**

Crotalaria Retusa

(Yellow Flowering Pea)

Rich golden yellow blossoms of true Sweet Pea form. The blooms are in racemes, sometimes as many as 40 to a single spike. The dried seed pods when shaken produce a sound like a child's rattle. G. P. 12-24 in. **Pkt. 10c.**

Cyclamen

Charming plants with beautiful foliage and rich colored fragrant flowers. Sow seed in a compost of well-rotted manure, leaf mould and sand, cover light with moss; remove this after seed germinates. Flowers are of enormous size and borne well above foliage on long stiff stems. G. P. 9-12 in.

Persicum, Fine Mixed. **Pkt. 10c.**

Giganteum. Mammoth flowers. A splendid strain. **Pkt. 20c.**

Cyperus Alternifolius (Umbrella Plant)

Resembles a Palm in general style and habit of growth. Can be easily grown in any bowl or dish half filled with rich soil. Keep well supplied with water. G. P. 18-24 in. **Pkt. 10c.**



DAISY, THE SHASTA



COSMOS, NOLL'S MAMMOTH FLOWERED SUPERB MIXED

Cypress Vine or Star Flower

(Ipomoea Quamoclit)

For trailing upon a light ornamental trellis this cannot be excelled. The star-shaped blossoms are produced in profusion and the fine cut foliage of a pleasing light green is adapted to ornamental work, besides if planted fairly thick will make a dense screen of exquisite Fern-like foliage and flowers. T. A. C. 10-15 ft.

Scarlet. Scarlet flowers, in great profusion. **Pkt. 5c., oz. 25c.**

White. White flowers. **Pkt. 5c., oz. 25c.**

Mixed. The above in splendid mixture. **Pkt. 5c., oz. 20c.**

Dahlia

Seed planted early in the Spring will produce plants that will give abundant blooms the first Summer. As easy to grow as a Zinnia. H. H. P. 2-5 ft.

Large Flowered, Double Mixed. A very choice selection from named double flowering varieties in finest mixture. **Pkt. 15c., 2 for 25c.**

Double Mixed. Very fine. **Pkt. 10c.**

Daisy (Bellis)

Seed sown in early Spring will bloom the first Summer, and continue for years if given slight protection during the Winter. Should be grown in partial shade. H. P. 3-6 in.

Giant Red. Glowing red, shaded rose, perfectly double. **Pkt. 10c.**

Giant White. Large double, pure white. **Pkt. 10c.**

Snowball. Long stems, large double white flowers. **Pkt. 10c.**

Giant Double Mixed. Including all the above. **Pkt. 10c.**

The Shasta. Excellent for bedding or cut flowers. Flowers white, 3 to 4 inches across, on stems 18 inches long. Blooms all through the Spring and Summer months. 3 ft. **Pkt. 10c.**

Datura (Trumpet Flower, Angel Trumpet)

For a showy plant the Datura is excellent. The grand trumpet-shaped flowers measure 6 to 9 inches in length and nearly 6 inches across and form two distinct trumpets, one growing within the other. H. H. A. 3 ft.

Cornucopia (Horn of Plenty). Flowers white and purple, very fragrant. **Pkt. 5c.**

Delphinium (Perennial Larkspur)

Effective in beds or masses, in shrubbery or borders, or in combination with white Lilies. Allow ample room for development. H. P. 2-3 ft.

Yellow Zalil. Long spikes of a beautiful shade of sulphur-yellow. A showy variety and an excellent cut flower. **Pkt. 10c.**

Formosum. Brilliant blue, white center. **Pkt. 10c.**

Hybrids, Mixed. Choice varieties of fine quality. **Pkt. 10c.**

Dianthus (Pinks)

Flower freely from seed the first year; bloom is more profuse the second year. The color range is wonderfully rich and varied. H. B. 1 ft.

White Frills. A magnificent white flower with deep lacinated petals. **Pkt. 10c.**

Chinensis (China or Indian Pink). Double mixed. **Pkt. 5c., oz. 25c.**

Wonderful. A finely fringed Japanese Pink of wonderful beauty. The plants produce their large flowers of 3 to 4 inches in diameter on stiff upright stems. The petals are deeply cut and the color in all shades from white to rose and deep purplish red. **Pkt. 10c.**

Plumarius (Scotch, Clove, or Grass Pink). Seed sown in March will bloom the first year. The flowers are delicately fringed, variously colored and delightfully fragrant. H. P. 12-15 in. **Pkt. 5c.**

Plumarius, Double Mixed (Pheasant's Eye Pink). Large flowers with fringed edges and zones in various colors. **Pkt. 10c.**

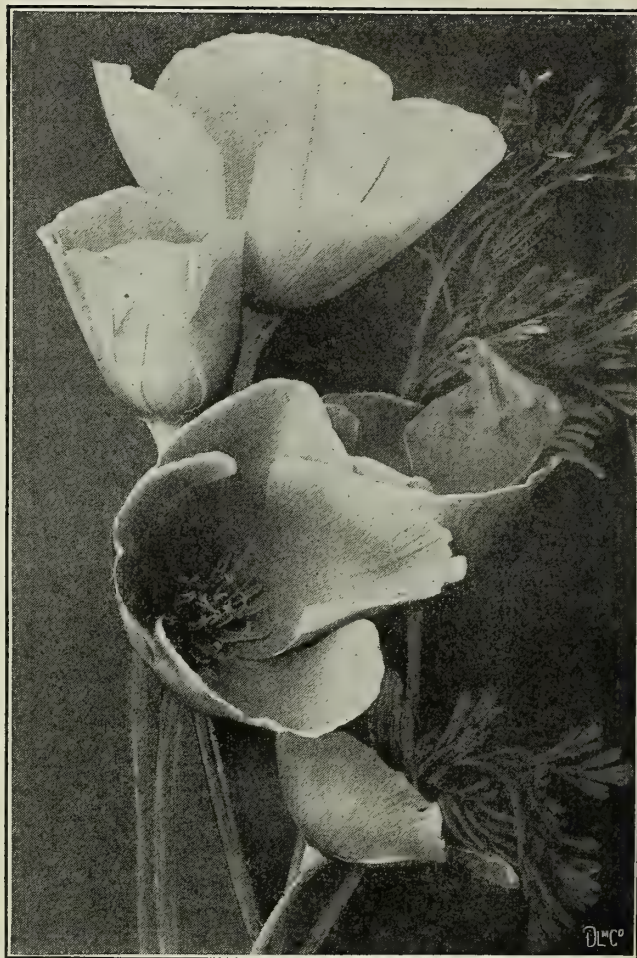
Dimorphotheca Aurantiaca (African Gold Daisy)

Of easy culture and forms bushy plants, that are completely covered with flowers 2 to 3 inches across, of a rich dark golden yellow color, with a handsome black disc. A very desirable plant for pots, borders or edging. Plant out in full sunshine and it will bloom early and continuously. H. A. 1 ft. **Pkt. 10c.**

Digitalis (Foxglove)

Colors varied and beautiful. The spikes of bloom are produced in abundance and make a brilliant display among shrubbery. Very easy to grow, succeeds everywhere. H. P. 3-4 ft.

Gloxiniæflora, Mixed. Beautiful Gloxinia-like flowers on long spikes. **Pkt. 5c.**



ESCHSCHOLTZIA CARMINE KING

Dolichos (Hyacinth Bean)

A rapid grower, flowering freely in erect racemes, followed by ornamental silvery seed pods. H. H. A. C. 10 ft.

Daylight. The best form of this beautiful climber. Bold spikes of pure white flowers, resembling the Sweet Pea in shape. The broad silvery white seed pods are almost as ornamental as the bloom.

Pkt. 5c., oz. 20c.

Lablab. Mixed colors. **Pkt. 5c.**

Eschscholtzia (California Poppy)

Cheerful blooms and finely cut foliage. Sow where the plants are to remain. Flowers the entire Summer. H. A. 12-18 inches.

Golden West. Flowers 3 to 5 inches across. Bright yellow with orange blotch at base of petals. **Pkt. 5c.**

Carmine King. Beautiful carmine-rose, the same coloring on both sides of petal. **Pkt. 10c.**

Mixed. Hand-some colors. **Pkt. 5c., oz. 25c.**



DIGITALIS, GLOXINIÆFLORA MIXED



DIANTHUS PLUMARIUS



GAILLARDIA GRANDIFLORA COMPACTA

Euphorbia

Suitable for beds or mixed borders. The foliage is very attractive. H. A. 2-3 ft.

Variegata (Snow on the Mountain). Foliage veined and margined with white. **Pkt. 5c.**

Heterophylla (Annual Poinsettia, Mexican Fire Plant, Painted Leaf, Fire on the Mountain). Branching bush form; glossy green leaves; flowers beautiful orange-scarlet. Striking and brilliant. **Pkt. 10c.**

Everlasting Pea (Hardy Sweet Pea, Lathyrus)

While these have not the fragrance of the Sweet Pea, they bloom through a long season. Excellent for covering rocks, stumps or fences, etc. The flowers make excellent bouquets. H. P. 6-8 ft.

Splendens (Pride of California). Large pale rose-colored flowers. **Pkt. 10c.**

Mixed. All colors. **Pkt. 5c., oz. 25c.**

Everlasting Flowers

Straw-like flowers that retain their form and color for years, if cut when just in bud and hung head downward to dry. Largely used in Winter bouquets. H. A.

Acroclinium. Lovely white and rosy pink flowers. 1 ft. **Pkt. 5c.**

Globe Amaranth (Bachelor's Button). A single plant will produce several hundred flowers. 1 ft. **Mixed colors. Pkt. 5c.**

Helichrysum (Straw Flower). Fine border plant. The finest sort for Winter bouquets. 2 ft. **Mixed colors. Pkt. 5c.**

Rhodanthe. A lovely Everlasting. 1 ft. **Mixed colors. Pkt. 5c.**

Xeranthemum. Handsome double flowers on long stems. Colors mostly white, purple or blue. 1 ft. **Mixed colors. Pkt. 5c.**

Mixed. All the above. **Pkt. 10c.**

Ferns

Sow seed in fine sifted sand and peaty loam, covering the pans with pieces of glass. Place in a shaded position and do not allow them to dry out. Seed is slow to germinate. G. P. 6-24 in.

Extra Choice Mixed, from a choice collection. **Pkt. 20c.**

Feverfew (Matricaria)

Do well in almost any soil; blooms the entire Summer. Flowers double white; an excellent cut flower. Useful for bedding. H. A. 2 ft.

Double White. Pkt. 5c.

Fuchsia

Blooms the first year from seed if planted early. Handsome house plants. G. P. 8-12 in.

Choice Hybrids. Single and double sorts, mixed. **Pkt. 20c.**

Gaillardia

One of the most valuable annuals for cut flowers. H. A. 15 in.

Lorenziana. Flowers double, round as a ball, of the most varied colors, borne on long, slender stems; when cut will keep over a week in water. **Pkt. 5c.**

Grandiflora compacta. A compact growing variety, forming bushy plants. In coloring the flowers are rich and varied. H. P. 12-15 in. **Pkt. 10c.**

Geranium

Grow readily from seed and produce plants that bloom the first season. In great demand for bedding. G. P. 10-18 in.

Zonale. Seed saved from a fine collection of the largest flowering varieties. **Pkt. 10c.**

Lady Washington (Pansy Geranium). Finest mixed. **Pkt. 25c**

Apple Scented. The leaves have a decided fragrance. **Pkt. 20c.**

Double Mixed. Seed from double flowering varieties only, although a percentage will produce single flowers; all will be excellent. **Pkt. 25c.**

Fine Mixed. All sorts. **Pkt. 15c.**

Eulalia Japonica Zebrina (Pampas Grass)

Forms handsome clumps that greatly add to the appearance of any grounds, particularly after the beautiful plumes form. Leaves are banded transversely with white. H. P. 6 ft. **Pkt. 10c.**

Evening Primrose

The yellow or white flowers open at sunset. Easy to grow, succeeding in almost any position. H. A. 6-8 in. **Mixed. Pkt. 5c.**



GERANIUM, ZONALE

Gilia

Flowers freely all Summer; fine for massing. H. A. 6-10 in.
Mixed. Colors blue, white, yellow and violet. **Pkt. 5c.**

Gladiolus

Seed sown early will produce bulbs that will flower the first season. In the Fall take up, dry off and store away for next year's planting. See index for Gladiolus bulbs—which when planted in masses in separate colors are simply magnificent, besides are one of the best cut flowers that are grown, lasting for at least a week in water. H. H. P. 3-4 ft.

Large Flowering. Mixed colors. **Pkt. 10c.**

Gloxinia

Magnificent house plants. Heat and shade are required to obtain best results. Brilliantly colored bell-shaped flowers in great diversity of rich colors. G. P. 12 in.

Hybrids, Mixed. **Pkt. 25c.**

Godetia (Satin Flower)

Dwarf spreading habit of growth, flowers numerous and handsome in the most brilliant and delicate colors. H. A. 8-12 in.

Extra Fine Mixed. Flowers of satiny texture. All the best sorts. **Pkt. 5c., oz. 25c.**

Golden Rod (Solidago)

Golden yellow flowers in paniculata form. H. P. 3-5 ft. **Pkt. 5c.**

Gynerium Argenteum (Pampas Grass)

A handsome Grass from South America. Has beautiful plumes that are largely used for decorative purposes. H. P. 6 ft. **Pkt. 10c.**



HELIOTROPE, LEMOINE'S HYBRIDS



GLOXINIA, HYBRIDS MIXED

Gourds (Ornamental)

A large and interesting class, producing a great variety of curious fruits, many of which are peculiarly marked. All the fruits are hard shelled, and will keep for years, exciting much attention. H. A. C. 10-15 ft.

Dipper. Makes an excellent dipper. **Pkt. 10c., oz. 25c.**

Nest Egg. Exact shape and size of a hen's egg. In great demand for use when darning stockings. **Pkt. 10c.**

Hercules' Club. Four to six feet long; white in color. **Pkt. 10c.**

Orange, or True Mock Orange. Size and shape of an orange. **Pkt. 5c.**

Dish Cloth, or Sponge. Takes its name from the membranous lining, which is useful for many household purposes. **Pkt. 10c.**

Small Ornamental Varieties. All sorts mixed. **Pkt. 5c., oz. 20c.**

Large Ornamental Varieties. All sorts. **Pkt. 5c., oz. 15c.**

Mixed. All kinds. **Pkt. 10c., oz. 25c.**

Helianthemum (Sun, or Rock Rose)

For rockeries. The foliage is evergreen and forms a dense mass, completely covered with the variously colored flowers. Succeeds under most adverse conditions. H. P. 4-8 in. **Pkt. 5c.**

Heliotrope

These well-known greenhouse and bedding favorites are highly esteemed for their fragrant flowers. G. P. 18-24 in.

Lemoine's Hybrids. This bears the most magnificent heads of flowers, many being at least a foot across, of the most lovely hues of purple and violet. The flowers have a rich lasting fragrance. The best sort for cutting. **Pkt. 10c.**

Fine Mixed. From a large collection. **Pkt. 5c.**

Hibiscus

Easily grown from seed. Bears immense saucer-shaped flowers, at least 7 inches across. H. P. 4-5 ft.

Crimson Eye. White flower with crimson center. **Pkt. 10c.**

Hollyhock

These are unexcelled for planting along buildings or fences, where a background of gorgeous flowers is desired. If sown indoors will bloom the first season. Sow outdoors in April or June for next year's bloom. H. P. 5-6 ft.

Double White. Pkt. 10c.

Double Pink. Pkt. 10c.

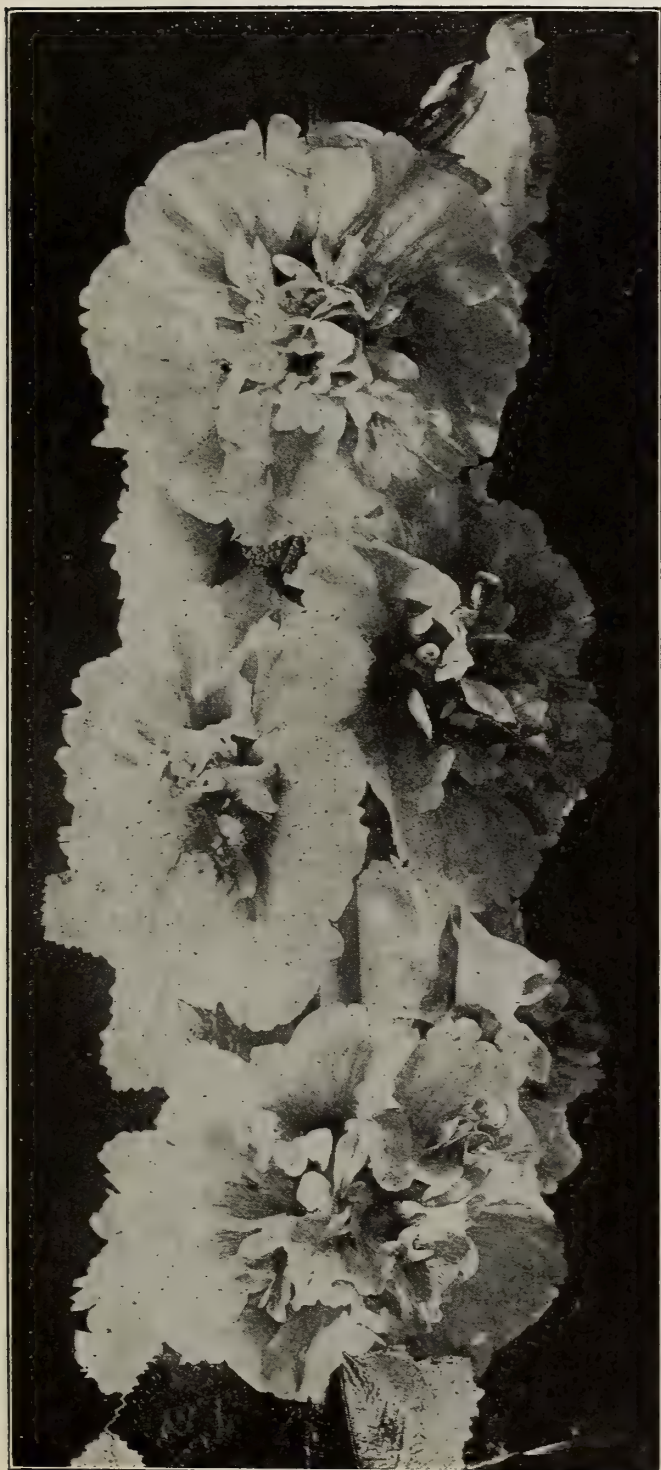
Double Salmon Rose. Pkt. 10c.

Double Scarlet. Pkt. 10c.

Double Yellow. Pkt. 10c.

Noll's Selected Double Mixed. Brightest colors, including above and many others. **Pkt. 10c., 1/4 oz. 40c., 1/2 oz. 75c.**

Allegheny Fringed. The flowers are either double or semi-double and almost all the petals are beautifully fringed. Flowers measure 4 to 5 inches in diameter. The colors are shell-pink, rose and red, a deeper shade at the center and delicately shaded toward the edges. The blooming season is long and the plants are really beautiful with the large wide open flowers. **Pkt. 10c.**



HOLLYHOCK, NOLL'S SELECTED DOUBLE MIXED

Annual Hollyhocks

A surprisingly quick strain of annual Hollyhocks that we were fortunate to secure from an old expert gardener, who showed us that this was the very best strain procurable. Plants from seed sown under glass in March will produce flowers in July and continue until frost. Extremely vigorous at all times, sending out branches from base to summit. The immense flowers are single and the color range is wonderful in surprising combinations. H. A. 3 to 5 ft. **Mixed Colors. Pkt. 10c.**

Honesty

(Moonwort, Satin Flower)

Flowers purple or white. The silvery seed pods are used as house ornaments; they are very highly prized as curiosities. H. B. 2 ft. **Pkt. 5c.**



HOP, JAPANESE VARIEGATED

Hop, Japanese Variegated (Humulus)

There is no hardier vine than this. Resists drought, and insects never bother it. The foliage is beautifully variegated, splashed and streaked with white. T. A. 15-20 ft. **Pkt. 10c.**

Hunnemannia

(Bush Eschscholtzia. Giant Yellow Tulip Poppy)

Grows into a branched plant that covers the ground with a net-like ornamental foliage. Flowers are large, cup shaped, 3 inches across, produced on stems 12 inches long; color bright clear yellow; petals broad and shine like satin. An excellent cut flower, will keep in water over a week. No garden should this year be without a bed or two, as it is in bloom the entire Summer. H. A. 18 in. **Pkt. 5c., 1/4 oz. 20c.**

Ice Plant (Mesembryanthemum)

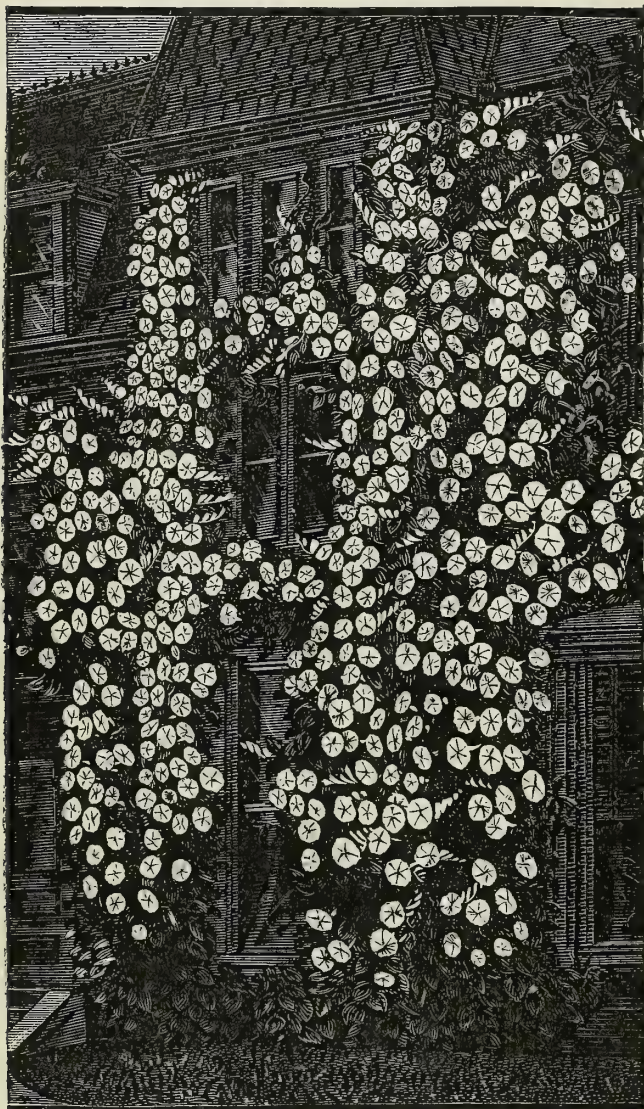
Flowers frosted or wax-like; leaves of great substance. Excellent for hanging baskets or rockwork. T. A. 6 in. **Pkt. 5c.**

Impatiens

(French Lady's Slipper. Zanzibar Balsam)

Blooms entire Summer and Winter. Easily grown. T. P. 18-24 in. **Sultana Hybrids.** Brilliant waxy rose-pink flowers; continually in bloom. **Pkt. 10c.**

We recommend as the best Pansy in the world—Noll's Non Plus Ultra. It will give larger blooms than any other mixture. (See page 69 for description and price.)



IPOMŒA, GIANT WHITE MOONFLOWER

form with horizontal branches and peculiar growth of the slender leaves in parasol-like whorls, giving the plant a distinct individuality. About September the entire plant changes from light pea-green to carmine and blood-red. The flowers are minute but numberless. When grown as an annual hedge or background for smaller plants nothing can equal the glory of its Autumn splendor. H. A. 3-4 ft. **Pkt. 10c., 1/4 oz. 25c.**

Japanese Kudzu Vine

(Jack and the Bean Stalk)

This is decidedly the strongest growing climber that ever was introduced from Japan, the land noted for its curious flowers and plants. The leaves are bold in form, of brightest green and overlap each other so as to form a dense screen. Highly recommended for porches, arbors, trellises or for covering fences. H. P. 25-50 ft. **Pkt. 10c., 3 pkts. 25c.**

Lantana

For ribbon gardening or bedding nothing can equal this in beauty of flowers and compact growth of plant. H. H. P. 10-20 in.

Dwarf Bedding Hybrids. The best strain possible for bedding purposes. The flower is large, and resembles a Verbena in shape. A desirable variety. **Pkt. 10c.**

Choice Mixed Hybrids. Choice hybrid varieties. **Pkt. 5c.**

Lavatera (Annual Mallow)

Best used as backgrounds for dwarfer plants. Resemble Hollyhocks in growth. H. A. 2 ft.

Variegata. Large leaves, mottled yellow, very decorative. **Pkt. 10c.**
Mixed. All varieties. **Pkt. 5c.**

Ipomœa

Quick, luxuriant growth. The large thick shell should have a notch filed in the seed, and be soaked in warm water before planting. H. A. 15-25 ft.

Giant White Moonflower. The large pure white flowers are sweet-scented and entirely cover the vine from base to summit, are open in the afternoon, and all day in cloudy weather. Plant indoors, one inch deep, keep damp in a warm place; when up, plant outdoors in a sunny position, when all danger from frost is past. **Pkt. 10c., 1/2 oz. 40c.**

Japanese Iris (Flag, Fleur-de-Lis)

Showy plants, used extensively in the hardy border. Flowers are enormous. H. P. 2-3 ft. **Mixed. Pkt. 10c., 1/4 oz. 25c.**

Jerusalem Cherry

A useful pot plant, largely in use for Winter decorations. The bright scarlet berries are very ornamental and are produced in great abundance. G. P. 18-24 in. **Pkt. 10c.**

Job's Tears (Coix lachryma)

Corn-like leaves and hard seeds of peculiar appearance. An old-fashioned remedy for sore throat and teething babies. The seeds are strung on a stout thread and worn around the neck as a chain. H. A. 1 1/2 ft. **Pkt. 5c., oz. 10c.**

Kaulfussia

Used for edging and bedding, for which it is in great demand. H. A. 1 ft. **Mixed Colors. Pkt. 5c., 1/4 oz. 20c.**

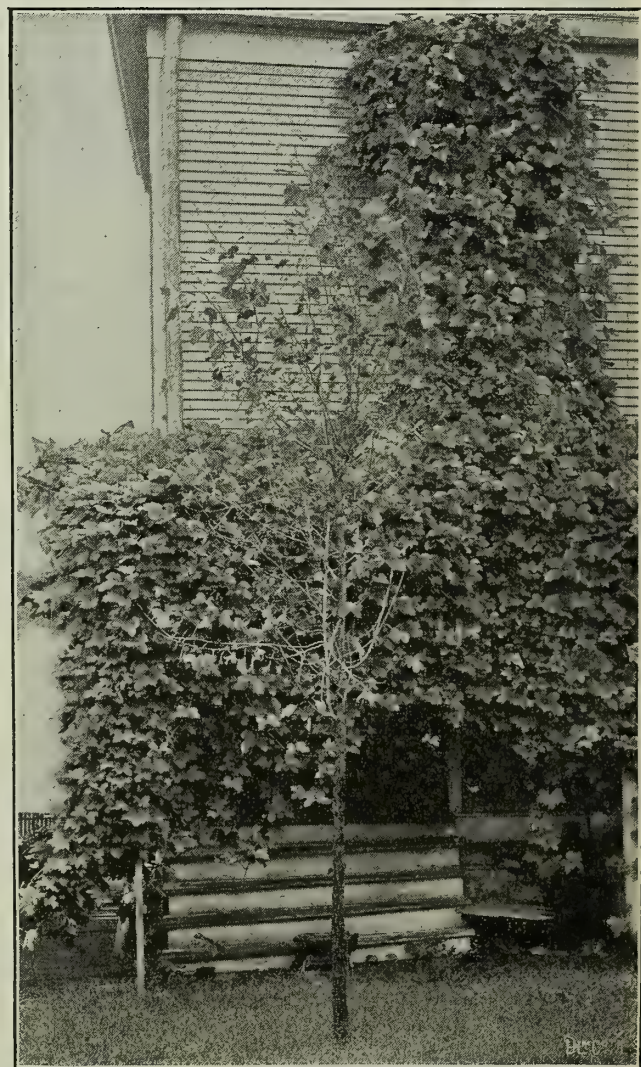
Kochia

Tricophylla

Burning Bush
Belvidere

Summer Cypress
or Mexican Fire Plant

This highly ornamental plant is of most rapid growth, assuming a pyramidal



JAPANESE KUDZU VINE

Larkspur

There is a wide range of color in these profuse bloomers and ornamental showy annuals. They bloom best in a rather cool, moist soil. H. A. 1-2 ft.

Emperor Mixed. Bright and showy flowers in great profusion, often showing as many as 40 to 50 erect spikes. **Pkt. 10c.**

Tall Stock Flowered. This is an extra double flowering strain, containing many shades of colors in the finest mixture. The plant resembles a giant Stock in growth and is beautiful. **Pkt. 10c.**

Finest Mixed. A fine mixture. **Pkt. 5c., ½ oz. 15c., oz. 25c.**

Lemon Verbena (Aloysia)

Grown for the delightful citron fragrance of the light green leaves. The flowers are white and are borne on long stems. Easy to grow from seed. No bouquet is complete without a leaf or two of this well-known favorite. G. P. 1 ft. **Pkt. 10c.**

Linaria

Cymbalaria (Kenilworth Ivy, Coliseum Ivy, Mother of Thousands). The well-known trailer, with small purple or lavender flowers, that is used for hanging baskets, rockeries or vases. H. P. 1-3 ft. **Pkt. 10c.**

Fine Mixed Hybrids. Snapdragon-shaped flowers, very desirable for edging and rockwork. Quick to bloom. H. A. 12 in. **Pkt. 5c.**

Linum (Scarlet Flax)

An excellent and effective showy bedding plant that is in bloom the entire season. The fine flowers are produced in great numbers, are at least an inch across and are borne on delicate stems. H. H. A. 2 ft. **Pkt. 5c.**

Lupinus

Ornamental and free-flowering annuals. Long, graceful racemes of rich and variously colored Pea-shaped flowers. Valuable for mixed flower beds and borders. H. A. 1-3 ft. **Mixed. Pkt. 5c.**



LARKSPUR, EMPEROR MIXED

Lobelia

For beds, edging or pot culture there is nothing better. Blooms very quickly from seed and continues through the season. H. A. 8-15 in.

White Gem. Fine, pure white flowers. A compact growing variety for bedding purposes. **Pkt. 10c.**

Oculata. Dark blue, white eye. **Pkt. 10c.**

Mixed. Best annual sorts. **Pkt. 5c.**

Cardinalis (Cardinal Flower). A fine border plant with brilliant scarlet flowers. H. P. 3 ft. **Pkt. 10c.**

Lychnis

Blooms year after year; requires no protection. H. P. 1-2 ft.

Chalcedonica (Rose Campion, Jerusalem Cross, Burning Star). Scarlet flowers. **Pkt. 5c.**

Haageana Hybrids. Brilliant scarlet, orange, crimson, etc., in mixture. **Pkt. 5c.**

Mathiola (Night Smelling Stock)

Lovely lilac-pink flowers. Fragrant at night and after showers. H. A. 15 in. **Pkt. 5c.**



LOBELIA, WHITE GEM

Marvel of Peru (Four O'Clock)

Called Four-O'Clock because they open their blossoms at that hour in the afternoon. Handsome, free-flowering, sweet-scented; blossoms variegated, striped and various colors. H. A.

Tom Thumb, Mixed. Many colors in mixture. 1 ft. **Pkt. 5c., oz. 15c.**

Hybrids, Mixed. A fine mixture of many colors. 2 ft. **Pkt. 5c., oz. 15c.**

Mexican Primrose

Large, beautiful pink flower with a distinct white center. In bloom almost all the time, and a very desirable plant for pot or outdoors. Of easy culture. T. A. 10 in. **Pkt. 5c.**

Marigold

Old favorites of easy culture. Effective when planted in groups or in garden borders. H. A.

AFRICAN, OR TALL VARIETIES

Lemon Queen. Flowers large and double, pure lemon color and produced in great numbers. 2 ft. **Pkt. 5c., ½ oz. 25c.**

Prince of Orange. Golden orange-colored flowers. 2 ft. **Pkt. 5c., ½ oz. 25c.**

African, Tall Mixed. Includes all colors of tall-growing sorts. 2 ft. **Pkt. 5c., oz. 20c.**

FRENCH, OR DWARF VARIETIES

These dwarf, compact varieties are all attractive, being covered with hundreds of small bright flowers. Make effective border plants.

Gold Striped. Velvety maroon, striped gold. 8-10 in. **Pkt. 5c., oz. 20c.**

Silver King. Velvety brown, surrounded by pale lemon. A beautiful strain. 8-10 in. **Pkt. 5c., ½ oz. 20c.**

French Dwarf, Mixed. Includes all colors of dwarf growing sorts. 1 ft. **Pkt. 5c., oz. 20c.**

Mignonette

Seed of this popular annual can be sown at any time. If successions are made, these modest colored fragrant plants blossom outdoors until November. Sow where plants are to remain. H. A. 12-24 in.

Paris Market. Red flowered. Excellent for pots. **Pkt. 10c.**

Machet. Large spikes, reddish tinted flowers, very sweet scented and an excellent florist variety. **Pkt. 10c., oz. 35c.**



MARIGOLD, LEMON QUEEN

Goliath. Enormous trusses of double red flowers, measuring about 8 inches long by 2 inches or more in diameter. This extra fine variety is in great demand for cut flowers, on account of the delightful perfume of the magnificent flowers. **Pkt. 10c.**

Bismarck. This is an improvement over the Machet variety. The flowers are more pyramidal in shape, better colored and highly perfumed. An excellent variety for pot culture. **Pkt. 10c.**

Allen's Defiance. An excellent variety for cutting. Spikes of great length and very fragrant. **Pkt. 10c., oz. 50c.**

Mixed. A very fine mixture, carefully selected from large flowering varieties. **Pkt. 5c., oz. 15c.**

Mimosa Pudica

(Sensitive Plant)

Curious and interesting. The leaves close and drop when touched or shaken. Flowers pinkish white. T. A. 18 in. **Pkt. 5c.**



MIGNONETTE, GOLIATH

Mimulus

Thrives best in a rather moist situation, bearing odd shaped flowers. H. A. 6-12 in.

Moschatus (Musk Plant). Flowers yellow. **Pkt. 5c.**

Tigridus (Monkey Flower). Very showy blotched flowers. A profuse bloomer. **Pkt. 5c.**

Momordica (Balsam Apple)

Curious warted fruit of golden yellow color, which opens when ripe. Often made into a heating liniment. Rapid and dense growth. T. A. C. 10 ft.

Balsamina. Apple shaped. **Pkt. 5c., ½ oz. 15c., oz. 25c.**

Charantia. Long pear-shaped fruit. **Pkt. 5c., ½ oz. 15c., oz. 25c.**

Mixed. Each of the above. **Pkt. 5c., ½ oz. 15c., oz. 25c.**

Morning Glory

This is too well known to need a lengthy description, and one seldom finds a more satisfactory vine. Succeeds in almost any soil under the most adverse conditions. H. A. C. 10-20 ft.

Finest Single Mixed. Almost every color is shown in this lovely strain, which is unexcelled in the number of extra large flowers produced. **Pkt. 5c., oz. 20c.**

Finest Double Mixed. While producing flowers of great beauty and substance, all the blooms will not be double, although the seed is selected from double-flowering varieties. There is always a tendency to revert. **Pkt. 10c.**

Myosotis (Forget-Me-Not)

Succeeds best in a moist, shaded position. Have soil moderately rich. H. H. P. 6-10 in.

Victoria. The plant is of neat, compact growth, completely covered with beautiful bright blue flowers with yellow centers. **Pkt. 10c.**

Semperflorens. The most desirable sort for pot culture. Continually in flower. **Pkt. 10c.**

Palustris. The true Forget-Me-Not; flowers best the second year. **Pkt. 5c.**

Mixed. All sorts. **Pkt. 5c.**

Nemophila (Love Grove)

Bears pretty bright flowers and is very easy to grow. Fine in pots or for edging, in rockeries, or in the garden. H. A. 1 ft. **Pkt. 5c.**

Nicotiana

(Sweet-Scented Tobacco Plant)

Produces a great number of fragrant flowers. An excellent border plant, flowers all Summer, and if taken up in the Fall, cut back and repotted, they will bloom all Winter. H. H. A. 3 ft.

Affinis. Large pure white flowers, of delightful fragrance. **Pkt. 5c.**

Affinis Hybrids. All shades of red, blue, rose, etc. Very fragrant. **Mixed colors. Pkt. 10c.**

Nigella (Love-in-a-Mist, or Devil-in-a-Bush)

Compact growth, free-flowering plant, with fine cut fern-like foliage. Curious and ornamental flowers and seed pods. Blue and white. H. A. 12-18 in.

Miss Jekyll. Color pure Cornflower blue; a most excellent sort. **Pkt. 10c.**

Mixed. Pkt. 5c.



NICOTIANA AFFINIS



MYOSOTIS VICTORIA



NIGELLA MIXED

NASTURTIIUM

TALL OR CLIMBING

During the three or four months of the season make a better display of brilliant blossoms than almost any other plant. The tall sorts are well adapted for covering unsightly railings and to trail over rough ground. The dwarf or Tom Thumb sorts are excellent for bedding or borders. Of easiest culture. H. A.

	Pkt.	Oz.
Atropurpureum. Crimson	\$0.05	\$0.10
Coccineum. Scarlet .....	.05	.10
Golden-Leaved. Scarlet, yellow foliage.....	.05	.10
Hemisphaericum. Orange .....	.05	.10
King Theodore. Crimson, blue foliage.....	.05	.10
Pearl. Creamy white.....	.05	.10
Prince Henry. Light yellow, marbled scarlet.....	.05	.10
Schulzi. Scarlet, very dark foliage.....	.05	.10
Vesuvius. Salmon, blue foliage.....	.05	.10
Saturn. Velvety crimson, very large.....	.05	.10
Jupiter. Deep golden yellow.....	.05	.10

Noll's Tall Superb Large Flowered. This is a collection of superior large flowered novelties of a famous English raiser and offered by us exclusively. The large flowers have a wonderful range of color and exquisite markings of great richness, distinguished by vari-colored foliage. The illustration shows some of the floral types contained in this superb large flowered mixture. **Pkt. 10c., oz. 20c., 1/4 lb. 50c., lb. \$1.50.**

Tall Choice Mixed. Contains a very good mixture of all colors and cannot fail to please the most critical. **Pkt. 5c., oz. 10c., 1/4 lb. 30c., lb. \$1.00.**



NASTURTIIUM, NOLL'S TALL SUPERB LARGE FLOWERED



NASTURTIIUM, NOLL'S TOM THUMB SUPERB
LARGE FLOWERED

TALL, VARIEGATED LEAVED

Tall Variegated Croesus. Each leaf variegated to some degree with yellow, white and green. The flowers range in color from primrose to orange, marked with crimson and brown-red. This makes a magnificent foliage plant for the porch. **Pkt. 5c., 1/2 oz. 20c., oz. 35c.**

Tall Variegated Crystal. Light green leaves, blotched and striped yellow and sometimes white. Flowers large and vary from light straw to yellow; upper petal has fine brown streak. **Pkt. 5c., 1/2 oz. 20c., oz. 35c.**

Tall Variegated Orange. The flowers are a striking shade of orange, leaf variegated so no two appear to be alike. **Pkt. 5c., 1/2 oz. 20c., oz. 35c.**

Tall Variegated, Mixed. A very showy mixture. **Pkt. 5c., 1/2 oz. 15c., oz. 25c.**

DWARF VARIEGATED LEAVED

Variegated Scarlet Dwarf. Flowers bright scarlet, plant of neat compact growth. **Pkt. 5c., 1/2 oz. 20c., oz. 35c.**

Variegated Queen. Large flowers of an intense scarlet maroon color. Leaf variations are from white to yellow on a green background. **Pkt. 5c., 1/2 oz. 20c., oz. 35c.**

Dwarf Variegated, Mixed. This is a fine mixture of the above, and many other select varieties. **Pkt. 5c., 1/2 oz. 15c., oz. 25c.**

TOM THUMB, or BEDDING

	Pkt.	Oz.
Aurora. Rosy salmon, blotched garnet.....	\$0.05	\$0.10
Beauty. Yellow and scarlet.....	.05	.10
Bronze. Coppery bronze.....	.05	.10
Chamæleon. Crimson and yellow.....	.05	.10
Coccineum. Light scarlet.....	.05	.10
Cloth of Gold. Scarlet, yellow foliage.....	.05	.10
Crystal Palace Gem. Sulphur, spotted maroon.....	.05	.10
Empress of India. Dark crimson, blue foliage.....	.05	.10
Golden King. Golden maroon blotches.....	.05	.10
Golden Queen. Yellow foliage.....	.05	.10
King of Tom Thumbs. Dark scarlet, dark leaved.....	.05	.10
King Theodore. Garnet, blue foliage.....	.05	.10
Lady Bird. Orange, spotted red.....	.05	.10
Luteum. Clear yellow.....	.05	.10
Pearl. Creamy white.....	.05	.10
Prince Henry. Light yellow, marbled scarlet.....	.05	.10
Regelianum. Purplish violet.....	.05	.10
Rose. Soft rose.....	.05	.10
Ruby King. Ruby red.....	.05	.10
Vesuvius. Salmon, bluish foliage.....	.05	.10

Noll's Tom Thumb, Superb Large Flowered. These have the same mixture of colors as the tall superb mixture, but the plants are of stocky, bushy growth and make a magnificent many-colored ribbon when planted as a border. **Pkt. 10c., oz. 20c., 1/4 lb. 50c.**

Tom Thumb, Choice Mixed. All the best dwarf varieties. **Pkt. 5c., oz. 10c., 1/4 lb. 30c., lb. \$1.00.**

Ornamental Grasses

A fine assortment of Ornamental Grasses used for Winter bouquets in conjunction with Everlasting Flowers. Easily grown. H. P. 2-7 ft. **Mixed. Pkt. 10c.**

Oxalis

Free-flowering little plants with beautiful bright flowers. Colors pink, white and yellow. Fine for hanging baskets or vases. T. P. 6 in. **Mixed. Pkt. 10c.**

Noll's Giant Pansies (Heart's-ease)

When grown from seed sown in the early Autumn larger plants are made, which produce larger flowers the following Spring, than when grown from Spring-sown seed. For best results, sow in open ground during August, setting to permanent location in September and large plants will be formed before frost. Place dry leaves, loose straw or salt hay over the plants about 3 inches deep during the last of November; this will induce a robust growth and make splendid early flowering plants. H. A. 5-10 in.

GIANT ADONIS

A magnificent large flower, light blue with white center; each petal relieved with a dark blotch. **Pkt. 10c.**

GIANT FIRE KING

Pure golden yellow, upper petals purple; a unique combination. **Pkt. 10c.**

GIANT DARK BLUE

A fine dark blue color that is lasting. **Pkt. 10c.**

GIANT LORD BEACONSFIELD

Lavender, heliotrope and purple. Large open flaring petals. **Pkt. 10c.**

GIANT FREYA

Large flower of deep dark purple, each petal with a distinct silver edge. **Pkt. 10c.**

GIANT GOLDEN QUEEN

Exquisite velvety texture. Bold flowers of pure golden yellow. **Pkt. 10c.**

GIANT INDIGO BLUE

Of immense size and of rich velvety plush effect. **Pkt. 10c.**

GIANT KING OF THE BLACKS

Lustrous jet black. Large flower. **Pkt. 10c.**

GIANT PEACOCK

Rich garnet, cream and ultramarine-blue, with borders or margins of white, producing an odd effect. **Pkt. 10c.**

GIANT PURPLE KING

Deep royal purple. A more handsome coloring seldom seen. **Pkt. 10c.**

GIANT RUBY

A large flowering variety with many superb shades of rich red. **Pkt. 10c.**

GIANT SNOWFLAKE

Pure snow-white. The flowers are large and finely formed. **Pkt. 10c.**

GIANT STRIPED

White, blue and violet; very striking. **Pkt. 10c.**

GIANT TRIMARDEAU

Enormous flowers in various colors and shades. A fine dark blotch is on each of the lower petals. **Finest Mixed. Pkt. 10c., 1/4 oz. 75c.**

Noll's Non Plus Ultra

The Best Mixture in the World

This is a carefully prepared blending of all the Giant Flowered Pansies of the very richest colorings and exquisite markings that can be obtained either at home or abroad. Embraces all the solid colors, striped and blotched and the edged or margined varieties of various colors; flowers delicately shaded, with clearly defined faces and distinct eyes. We have exercised great care in preparing this strain and are confident it cannot fail to give the utmost satisfaction to all lovers of this deservedly popular flower. **Pkt. 20c., 3 pkts. 50c., 1/8 oz. \$1.25, 1/4 oz. \$2.00, oz. \$8.00.**



TYPE OF NOLL'S NON PLUS ULTRA PANSIES

PANSIES—Continued

GIANT MADAME PERRET

Exquisite shades of wine-red, a color unique and rare among flowers. Blossoms 3 to 3½ inches across, of great substance; stems very stocky. Try a packet this year and surprise your friends with the size of bloom obtained. **Pkt. 15c., 2 pkts. 25c., 1-16 oz. 75c., ¼ oz. \$2.50.**

Extra Large Flowered, Fine Mixed. A blending of large flowered varieties of the most exquisite shades and colors. **Pkt. 10c., ⅛ oz. 40c., ¼ oz. 75c., oz. \$2.50.**

Choice Mixed. A superior blending of choice European varieties. **Pkt. 5c., ⅛ oz. 15c., ¼ oz. 25c., oz. 75c.**

Noll's Superb 25c. Pansy Collection

6 Packets, worth separately 60 cents

ONLY 25 CENTS, Postpaid

Wide range of color; exquisite shadings

Giant Dark Blue. Dark blue.	Giant Snowflake. Pure white.
Giant Freya. Purple, silver edge.	Giant Striped. White, blue and violet.
Giant Golden Queen. Golden yellow.	Giant Peacock. Garnet, cream, etc.

One packet of each of the above named

Giant Flowering Pansies

ONLY 25 cents, postpaid



PANSY, GIANT MADAME PERRET

Petunia

There is no flower more highly prized for use in beds, massing, borders, window boxes, baskets and vases. Succeeds in almost any soil and is in bloom the entire Summer, until cut down by frosts in the Autumn. Sow thinly and do not cover seed to a depth of more than four times their size, press down firmly with a board, water with a fine spray, and do not allow the small seedlings to dry out. H. H. A. 1-2 ft.

Noll's Double Prize Giant. A superior mixture of all the double and fringed large flowering Petunias, and will pro-

duce flowers of elegant form with a wide range of colors and markings. **About 30 per cent. will bear double flowers;** the remainder will be grand single flowers of great size. As double flowers do not produce seed, the seed is selected from large single flowers that have been pollinated with pollen from double ones. **Pkt. 20c., 3 pkts. 50c.**

Mammoth Fringed. A new class of remarkable beauty, size and luxuriance, unequaled by any other; the flowers are exquisitely ruffled or fringed, and are of enormous dimensions (4 to 5 inches across); but their great merits lie in the tremendous varieties of colors, markings, veinings, blotchings and stripings, in the most beautiful combinations; the colors are rich and gorgeous. **Pkt. 20c., 3 pkts. 50c.**

California Yellow Throated. Large flower with finely shaded yellow throat. **Pkt. 20c.**

Howard's Star. Rich crimson, a distinct white or bluish pink five-rayed star in the center of each flower. **Pkt. 10c.**

Belle Etoile. Handsomely formed flowers, blotched and striped in the most intricate manner. **Pkt. 10c.**

Baby Blue. Soft reddish purple. A bed of these in strong sunlight appear to be a lovely blue color. **Pkt. 10c.**

Venosa. Various colored; beautifully veined. Excellent for bedding. **Pkt. 5c., ¼ oz. 20c.**

Hybrida, Single Mixed. This is the acme of perfection for bedding or borders. There are many solid colors, striped, blotched or mottled flowers, and is indeed a superior mixture of the handsomest single Petunias. **Pkt. 10c., ¼ oz. 20c.**



PETUNIA, HYBRIDA SINGLE MIXED



PHLOX DRUMMONDI, HORTENSIAFLORA MIXED

Poppy

Flowers grow to an enormous size, from 6 to 7 inches in diameter, as double as Pæonies, and the colors are rich and varied. 2 ft.

HARDY ANNUAL

Double Bright Rose. Pkt. 10c. **Double White.** Pkt. 10c.

Double Scarlet. Pkt. 10c.

Double Pæony Flowered, Mixed. Many fine colors. Pkt. 10c., ½ oz. 15c., oz. 25c.

Carnation Flowered, Mixed. Double fringed flowers in the brightest colors. Pkt. 5c., oz. 15c.

Mikado (The Striped Japanese Poppy). Brilliant scarlet and white, elegant curved petals. Pkt. 5c.

Shirley (Silk, or Ghost Poppy). Brilliant effect; each petal beautifully crumpled like crushed satin. Pkt. 10c.

Danish Cross (Danebrog). Large single scarlet, with white cross at base of petals. Pkt. 5c.

Mephisto. Beautifully fringed; varies from red and black to rose and white. Pkt. 5c.

Glaucum (Tulip Poppy). Tulip-shaped, intense brilliant scarlet flowers. Pkt. 5c.

Miss Sherwood. Satiny white, upper half of petals chamois-rose. Flowers of great substance and an elegant variety for cutting. Pkt. 5c., oz. 40c.

HARDY PERENNIAL

Large flowered and showy; very effective among shrubbery. 2-4 ft.

New Oriental Hybrids. Enormous flowers of the most dazzling beauty. Pkt. 10c.

Oriente. Fiery scarlet. Pkt. 5c.

Nudicaule (Iceland Poppy). One of the most attractive varieties. Beautiful when grown in masses. 1 ft.

Double Mixed Iceland. Pkt. 10c.

Single Mixed Iceland. Pkt. 10c.

Phacelia (Whitlavia)

Branching and spreading habit. Profuse bloomer. Flowers white, blue with white spotted throat. Excellent for bees. H. A. 10 in. **Mixed.** Pkt. 5c.

Phlox Drummondii (Flame Flower)

Dazzling in effect, more so when borders or masses are sown with contrasting harmonizing colors. Few colors are beyond their range. Sow as soon as frost is out of ground in early Spring, later sowings in June, and you will be surprised at the continuous display of long-stemmed, handsomely formed flowers, for cutting. H. A. 1 ft.

Alba. Pure white. Beautiful large petals. Profuse bloomer. Pkt. 10c.

Kermesina splendens. Vivid crimson. Pkt. 10c.

Isabellina. Primrose-yellow. Pkt. 10c.

Grandiflora Mixed. Large flowered varieties, in richest mixture. Pkt. 10c., ¼ oz. 25c.

Hortensiaflora Scarlet. Bright scarlet. 6-8 in. Pkt. 10c.

Hortensiaflora Mixed. Covered the entire Summer with magnificent flowers of the richest hues. Grow only about 6 to 8 inches high and cannot be equalled as a bedder; of neat, compact growth and succeeds in all situations. Pkt. 10c., ¼ oz. 30c., oz. \$1.00.

Grandiflora nana compacta (Cicely Phlox, Mixed) Each flower has a large, distinct white eye in the center. Pkt. 10c.

Cuspidata (Star of Quedlinburg). Star-shaped flowers of many colors. Pkt. 10c.

HARDY PERENNIAL PHLOX

Large heads of finely colored flowers. Roots should be taken up and divided about every three years. 3 ft.

Large Flowered Hybrids, Mixed. Pkt. 10c.

Platycodon (Chinese Bell Flower)

Forms large clumps, and the flower rivals the famous Jackmanni Clematis in form and brilliancy. H. P. 1-3 ft.

Mariesii. Rich violet-blue. Dwarf. Pkt. 10c.

Grandiflorum. Taller than the above; flowers purple or steel-blue. Pkt. 5c.



POPPY, SHIRLEY

Portulaca

(Rose Moss, Sunflower)

Brilliant flowered plants of low growth, that will flourish under all conditions, though a sunny position and light sandy soil suit it best. For beds, borders, among rockeries or under taller growing plants it will carpet the ground with an amazing mass of foliage that is completely covered with the gorgeous flowers in the most brilliant colors. Of easiest culture, require very little care; however, do not sow seed until hot weather. H. A. 6 in.

Single Mixed. Many striking colors and variegations. **Pkt. 5c., 1/4 oz. 15c., oz. 50c.**

Grandiflora Double. Resembles dainty little roses in the gayest colors. **Pkt. 10c., 1/4 oz. 25c.**



PORTULACA, SINGLE MIXED

Remember

For every 75 cents remitted in packets and ounces you may select 25 cents worth extra in packets.



PRIMULA OBCONICA

Primula

Succeeds best in a moist, loamy soil, partially protected from the hot sun. H. P. 6-12 in.

Auricula. Many rich colors. **Pkt. 10c.**

Japonica (Japanese Primrose). Bright showy flowers. Mixed. **Pkt. 10c.**

Forbesii (Baby Primrose). Pleasant shade of rose, with a yellow eye. Fine for cutting. **Pkt. 10c.**

Obconica. Early to bloom from Spring-sown seed and continue through the entire season. Mixed colors. **Pkt. 10c.**

English (vulgaris). Flowers canary-yellow and very fragrant. **Pkt. 5c.**

Polyanthus. Single mixed. **Pkt. 5c.**

Chinensis (Chinese Primrose). These handsome house or conservatory plants have a long blooming period and the cut flowers make a valuable table decoration, keeping fresh in water for several days. Flowers are cut and fringed, and of many colors. G. P. 8-12 in.

Chinensis White. Pure white. **Pkt. 25c.**

Chinensis Crimson. Rich crimson. **Pkt. 25c.**

Chinensis Blue. Violet-blue. **Pkt. 25c.**

Chinensis Finest Mixed. A beautiful strain containing many rich colors in beautiful variety. **Pkt. 20c.**

Purple Feather Grass

Graceful, narrow leaves topped with handsome feathery plumes over a foot long from July until cut down by frost. A beautiful foliage plant, as graceful as a Palm. The growth is rapid and makes an excellent border for taller plants. H. A. 1 1/2-3 ft. **Pkt. 10c.**

Pyrethrum

Single daisy-like flowers of bright colors, including pink, white, red, etc. Blooming period extends over a long season. H. P. 2-3 ft.

Atrosanguineum. Fine dark scarlet. **Pkt. 10c.**

Single Mixed. Many colors. **Pkt. 5c.**

Ricinus (Castor Oil Plant)

Largely used to give the lawn a sub-tropical effect or for centers of beds of foliage plants. H. H. A. 8-10 ft.

Cambodgensis. Maroon leaves with red veins, stems black. **Pkt. 5c.**

Borbonensis. Violet. **Pkt. 5c.**

Gibsoni. Violet-bronze. **Pkt. 5c.**

Zanzibarensis Mixed. All the above and many other splendid varieties in mixture. **Pkt. 5c., 1/2 oz. 15c., oz. 25c.**

Rudbeckia (Cone Flower)

Bicolor Superba. Forms a compact bush, and produces its bright blossoms in great numbers on extra long stems. The disc is brown, the florets golden yellow, with velvety brown spots at the base of petals. A very effective and handsome variety for cutting. H. A. 2 ft. **Pkt. 5c.**



SALPIGLOSSIS, EMPEROR MIXED

Salpiglossis

(Painted Tongue, Velvet Flower)

Large funnel-shaped flowers, singularly and vividly marked and penciled, spotted and striped on ground colors of deep blue, rose, dark violet, light yellow and reddish bronze. H. A. 2 ft.

Emperor Mixed. A handsome strain with improved shape and larger variety of colors, with beautiful veinings of gold. **Pkt. 10c.**

Fine Mixed. Large flowered sorts in finest mixture. **Pkt. 5c.**

Salvia

(Scarlet Sage)

Well-known bedding plants which carry hundreds of long flaming flower spikes open at one time, keeping up the magnificent display until frost. H. A. 18-36 in.

Drooping Spikes. Flowers are produced in such great numbers that their weight bends the flower stalks in graceful arches. An excellent variety for bedding or borders, forming a dense mass of brilliant dazzling scarlet. **Pkt. 10c., 1/8 oz. 40c.**

Splendens. Large flowering scarlet sage. **Pkt. 10c., 1/8 oz. 30c.**

Bonfire. The well-known compact variety, the most profuse bloomer of all; plant is literally ablaze with the dense flaming flower spikes from early Summer until frost. **Pkt. 10c., 1/8 oz. 50c.**

Farinacea (Silver Sage). This is similar in luxuriant profusion of flowers to Salvia Drooping Spikes, but the light blue flowers are borne high above the foliage, and the tall silvery lavender seed pods are as highly ornamental as the flowers. A ribbon border of these is an effective sight. **Pkt. 10c.**

Silverspot. The green leaves are covered with creamy white or yellow spots. Flowers large and an intense scarlet, making a highly desirable and ornamental plant. **Pkt. 10c.**

Patens (Blue Salvia). Erect spikes of rich blue flowers. Makes a handsome pot plant. T. P. **Pkt. 10c.**

Sanvitalia Procumbens

Compact spreading growth; an excellent plant for beds, borders, hanging baskets or wherever a short trailing vine could be used. The showy double yellow flowers completely cover the whole plant the entire Summer. H. A. 8 in. **Pkt. 5c.**

Scabiosa

(Pincushion Flower, Mourning Bride)

A desirable border plant with handsome flowers that are exceptionally fine for cutting, lasting for a long time. The flowers are quite fragrant, and on account of length of stems desirable for bouquets for the house. H. A. 2-3 ft.

Double White. Fine double white flowers. **Pkt. 10c.**

Double Rose. A magnificent shade. **Pkt. 10c.**

Double Fine Mixed. All colors. **Pkt. 5c.**

Caucasica. Flowers a beautiful soft lavender. H. P. **Pkt. 10c.**

Japonica. Lavender-blue, long stems; fine for cutting. **Pkt. 10c.**

Smilax

Deep, glossy green leaves; largely used by decorators and in bouquets. Soak seed 48 hours in warm water before planting. G. P. C. 6 ft. **Pkt. 10c.**

Spider Plant

A splendid honey plant, as beautiful as it is curious, as the flowers resemble giant spiders. An exceptionally showy plant among shrubbery, greatly admired. H. A. 4-5 ft. **Pkt. 5c.**

Stevia

The leaves are largely used in bouquets on account of their delightful fragrance. Flowers flesh-white, star-shaped, and borne in large heads. G. P. 2 ft. **Pkt. 5c.**



SCABIOSA, DOUBLE WHITE

Stocks (Gilliflower)

These are desirable plants, in every way for indoors or garden culture. There is no use to which they are unfitted, and no desirable quality has been omitted. A great improvement over the Gilliflower of long ago in every manner. H. H. A. 12-18 in.

Dwarf Forcing Snowflake. The earliest white; very large and double flowers of great beauty and substance. **Pkt. 10c.**

Dresden Perpetual, Mixed. Robust, branching habit, beautiful double flowers. An excellent variety for pot culture. **Pkt. 10c.**

Cut-and-Come-Again; Princess Alice. Double white, perpetual blooming. In great demand and a fine cut flower. **Pkt. 10c.**

German Ten-Weeks, Mixed. This contains an exceptionally large percent. of fine double varieties in the most brilliant colors. **Pkt. 10c., ¼ oz. 25c.**

Finest Sorts, Mixed. Single and double varieties in fine mixture. **Pkt. 5c., ¼ oz. 20c.**



STOKESIA CYANEA

Dwarf Perkeo. In bloom the entire season. The flowers are 3 to 5 inches across, bright yellow in color with dark centers, and completely cover the entire plant, on extra long stems, making them exceptionally valuable for cut flowers. 2-3 ft. **Pkt. 10c.**

Double Chrysanthemum Flowered. Golden yellow flowers, perfectly double to the center. 6 ft. **Pkt. 5c., oz. 25c.**

Globosus Fistulosus. Immense flowers, 10 to 15 inches across; very double and decidedly attractive. 4 ft. **Pkt. 5c., oz. 20c.**

Sweet Clover

White flowers with great fragrance. Extra fine for bees. H. B. 3-5 ft. **Pkt. 5c., oz. 10c., lb. 35c.**

Sweet Rocket (Hesperis)

Showy spikes of lilac-blue or white flowers, very fragrant. Excellent to plant among shrubbery, and require little attention. H. P. 2-3 ft. **Mixed. Pkt. 5c.**

Stokesia

Cyanea

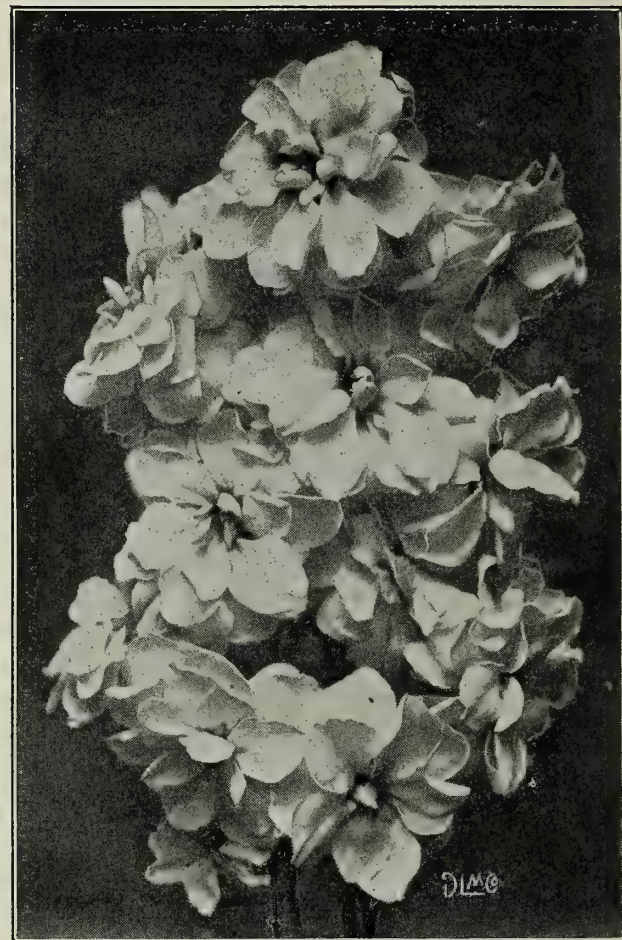
(Cornflower Aster)

A rare and beautiful shade of lavender-blue flower, resembling the Cornflower. Blooms from July until frost. A choice cut flower. H. P. 2 ft. **Pkt. 10c.**

Sunflower

(Helianthus)

Stately decorative plants with large heads of golden yellow flowers. Height of plants of the different sorts varies, but they can be placed through the grounds with grand effect. It is the gardener's art to know where to place them. H. A.



STOCKS, GERMAN TEN-WEEKS



SUNFLOWER, DWARF PERKEO

SWEET PEAS

CULTURE.—Drill in rows 5 inches deep, cover about 2 inches. As vines grow gradually fill trench with soil, and thin to 5 inches apart. For early flowers, sow in beginning of November, preferably in a dry situation, 6 or

8 inches deep, giving them level culture. Spring sowings just as soon as ground can be prepared. H. A. 5-7 feet.

Three Superb Spencer Sweet Peas

Colleen. A recent introduction in the Spencer type. The color of this superb Sweet Pea is a rosy-red, with the wings almost white. Wings are waved. Very attractive sort. Pkt. 25c., 5 for \$1.00.

Marie Corelli. A large flowering variety and profuse bloomer. Color, brilliant rose-crimson. One of the best Spencer types yet introduced. Pkt. 15c., 5 for 50c.

Senator. A very unique colored sort, being a combination of claret and chocolate color, lavender and white striped. Very profuse bloomer, bearing usually four flowers to a stem. Pkt. 15c., 5 for 50c.

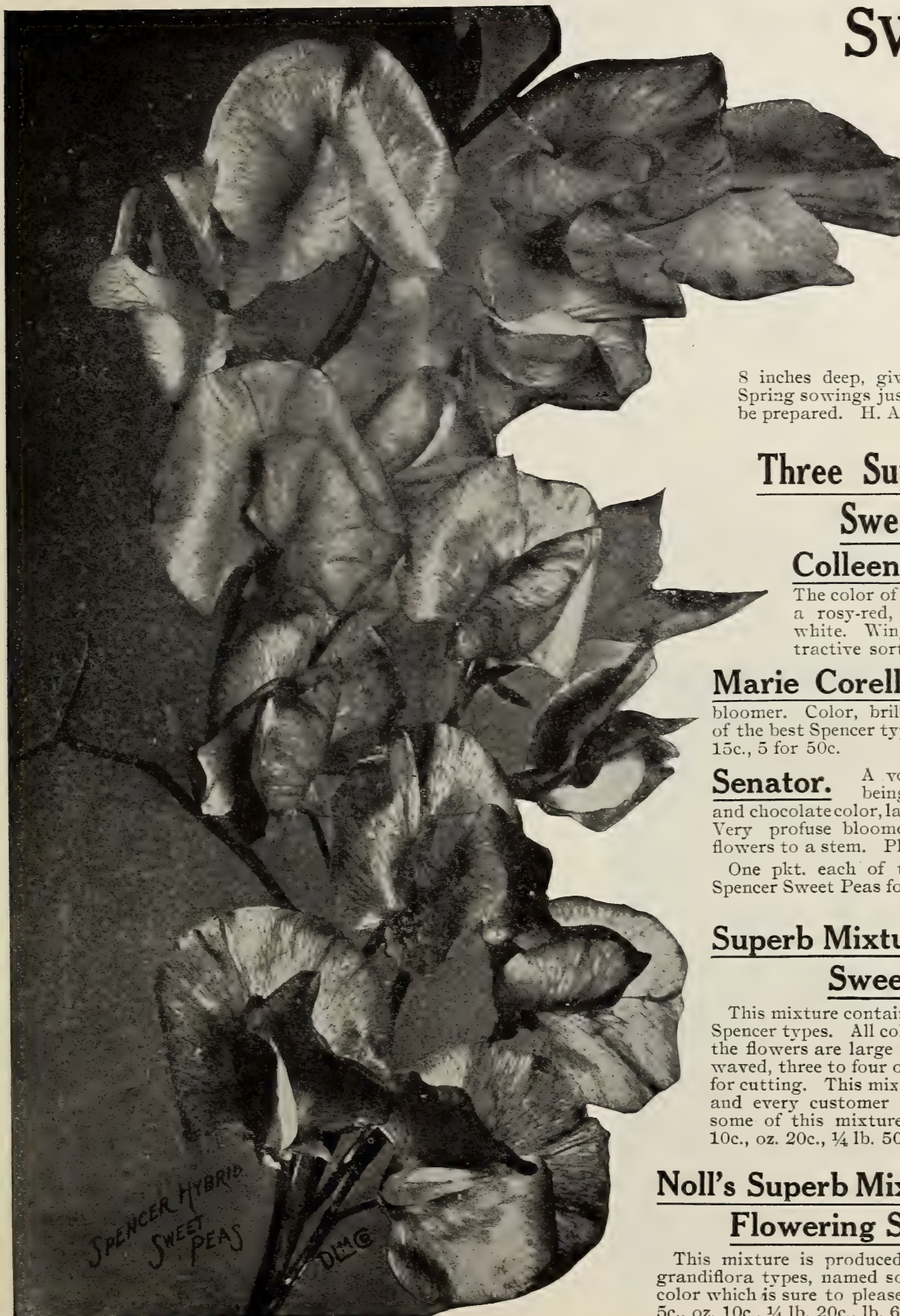
One pkt. each of the above three Superb Spencer Sweet Peas for 40c.

Superb Mixture of Spencer Sweet Peas

This mixture contains all the choice sorts of Spencer types. All colors are well represented, the flowers are large and bold, crumpled and waved, three to four on a stem. Very valuable for cutting. This mixture is exceptionally fine and every customer should not fail to plant some of this mixture as it will please. Pkt. 10c., oz. 20c., ¼ lb. 50c., lb. \$1.50.

Noll's Superb Mixture of Large- Flowering Sweet Peas

This mixture is produced of the large-flowering grandiflora types, named sorts. A large variety of color which is sure to please the most critical. Pkt. 5c., oz. 10c., ¼ lb. 20c., lb. 60c.

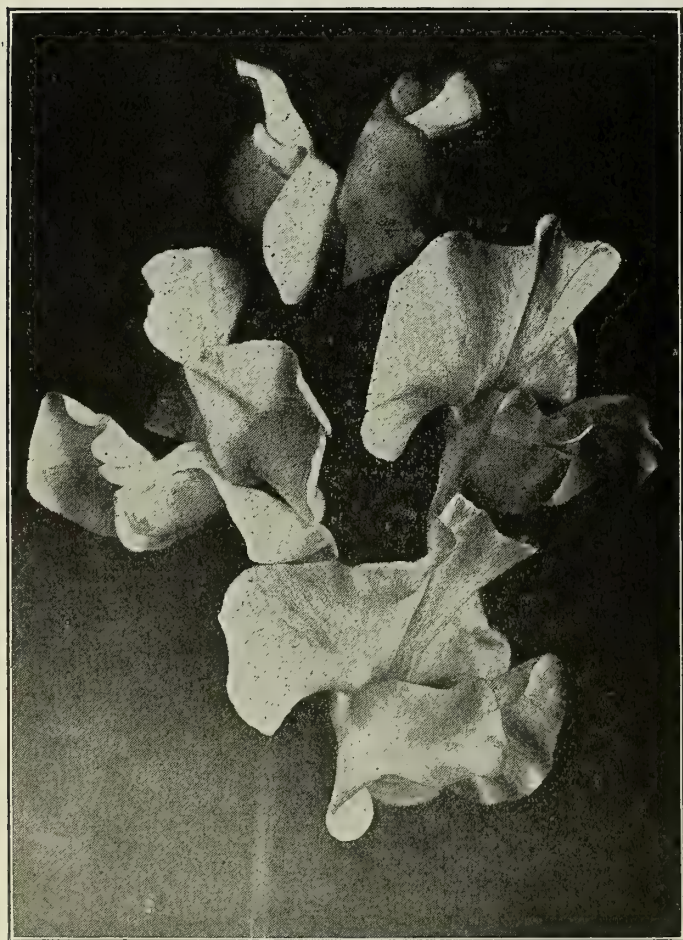


Separate Named Varieties of Spencer Sweet Peas

The following list is made up of the most attractive sorts and are sure to give satisfaction.

	Pkt.	Oz.	¼ lb.	Lb.
Apple Blossom. Rose and pink, waved.....	\$0.10	\$0.20	\$0.50	\$1.50
Asta Ohn. Lavender, tinted mauve; free bloomer	.10	.25	.90	2.50
Aurora. Orange, rose striped on white; large size	.15	.40	1.40	4.00
Beatrice. Standard; a mingling of blush, lemon and buff, wings pure white.....	.15	.30	1.00	3.50
Black Knight. Shining deep maroon; waved....	.10	.25	.90	2.50
Capt. of the Blues. Standard purple, wings blue, waved .....	.15	.30	1.00	3.50
Countess Oliver. Delicate pink, suffused with cream color, waved .....	.10	.25	.80	2.00
Countess Spencer. Lovely shade of pale pink, darker towards the edges .....	.10	.20	.50	1.50
Dainty. White, with pink picotee edge, waved....	.10	.30	1.00	3.00
Enchantress. Darker pink than Countess Spencer	.10	.20	.50	1.50
Etta Dyke. Pure white, waved.....	.10	.30	1.00	3.00
Evelyn Hemus (Mrs. C. W. Breadmore). Buff, ground with rosy picotee edges.....	.10	.30	1.00	3.00
Florence Morse. White with pink edge.....	.10	.30	1.00	3.50
Gaiety. Rose, striped on white.....	.10	.25	1.00	3.00
Geo. Herbert. Bright rosy carmine.....	.10	.25	.90	2.50
Helen Lewis. Standard orange, wings rosy salmon	.10	.25	1.00	3.00

	Pkt.	Oz.	¼ lb.	Lb.
King Edward. Rich carmine scarlet, waved.	\$0.10	\$0.25	\$0.90	\$2.50
Lovely. Pink and blush, waved.....	.10	.30	1.00	3.50
Mennie Christie. Standard purplish carmine, wings rosy magenta.....	.10	.25	.90	2.50
Mrs. Hardcastle Scykes. Delicate blush pink, waved .....	.10	.25	.90	2.50



SWEET PEA, DAINITY



SWEET PEA, KING EDWARD SPENCER

Mrs. Routzahn. Apricot, suffused with pink deepening toward the edges, waved	\$0.10	\$0.30	\$1.00	\$3.50
Othello. Rich deep maroon, waved...	.10	.30	1.00	3.50
Paradise Ivory. Ivory white, buff tinge on standard .....	.10	.30	1.00	3.50
Primrose. Pale primrose, waved....	.10	.25	.90	2.50
Princess Alice. Large, clear lavender; free blooming .....	.10	.20	.60	1.75
Princess Kathrine. Large pure white	.10	.25	.90	2.50
Ramona. White with carmine stripe.	.15	.40	1.40	4.00
Tenant. Purplish mauve, waved....	.15	.30	1.00	3.50

"Many Colors" Collection

- Agnes Johnson.** Pink and buff, shaded.
- Bolton's Pink.** Salmon pink, veined rose.
- E. J. Castle.** Rosy crimson, veined deeper rose.
- Helen Pierce.** Pure white mottled and flaked bright blue.
- Lady Grisel Hamilton.** Light mauve and lavender.
- Lottie Eckford.** White, shaded lilac.
- Prince Olaf.** Navy blue, striped.
- Prima Donna.** Pure pink.
- Sybil Eckford.** Light salmon and buff.
- Unique.** White, striped with blue.

One packet of each of the above 10 varieties for 30c. postpaid.

Our Sweet Peas are grown by experts and are sure to give satisfaction to lovers of this Queen of Annuals.

SWEET PEAS—Continued

Selected Named Varieties

One packet of each of the following 31 varieties for \$1.00 postpaid.

Agnes Johnson. Pink and buff, shaded.
America. Crimson scarlet, striped on white.
Black Bird. Deep maroon.
Black Michael. Maroon.
Blanche Ferry Extra Early. Rose and white; very early.
Bolton's Pink. Salmon pink, veined rose.
Brilliant Blue. Deep navy blue.
Dorothy Eckford. Large white.
E. J. Castle. Rosy crimson, veined deeper rose.
Earliest of All. Standard rose, wings white, tinged pink.
Emily Henderson. Large, pure white.
Flora Norton. Clear blue with purple tint.
Helen Pierce. Pure white, mottled and flaked bright blue.
Hon. Mrs. E. Kenyon. Light primrose.
Kathryn Tracy. Standard pink, wings lighter.

King Edward VII. Very large red; open form.
Lady Grisel Hamilton. Light mauve and lavender; large.
Lord Rosebery. Bright magenta rose, veins deeper color.
Lottie Eckford. White, shaded lilac throughout.
Millie Maslin. Red, new shade.
Mrs. Alf. Watkins. Pink, shaded to buff at edges.
Mrs. Jos. Chamberlain. Rose, striped on white.
Navy Blue. Indigo and violet.
Prince Olaf. Navy blue, striped.
Prima Donna. Pure pink.
Queen Alexandra. Bright scarlet red.
Sybil Eckford. Light salmon and buff.
Shasta. White; standard and wings have waved edges.
St. George. Brilliant orange pink.
Unique. White, striped with blue.
White Wonder. Pure double white.

Price of any of the above varieties: Pkt. 5c., oz. 10c., $\frac{1}{4}$ lb. 25c., lb. 75c. By mail postpaid.

Sweet William (Dianthus Barbatus)

Old-fashioned plants; produce large heads of beautifully colored, sweet scented flowers in great abundance. Hardy, easy to grow and flower the second year from seed. H. B. 18 in.

Mammoth Holborn Glory. The best strain of eyed and margined varieties in choicest mixture. Pkt. 5c.

Pink Beauty. Handsome rosy chamois flowers. Pkt. 10c.

Double Mixed. Double varieties in fine mixture. Pkt. 5c., $\frac{1}{4}$ oz. 20c.

Single Mixed. All the large flowering single sorts in choice mixture. Pkt. 5c., $\frac{1}{4}$ oz. 15c.

Thunbergia (Black-Eyed Susan)

Very ornamental climbers and profuse blooming plants; useful for vases, rustic work, or greenhouse decoration. H. H. A. 5 ft.

White. Black eye. Pkt. 5c.

Orange. Black eye. Pkt. 5c.

Fine Mixed. All colors. Pkt. 5c.

Torenia

A beautiful plant for hanging baskets or edging, being covered the entire season with flowers. T. A. 6-12 in. Mixed. Pkt. 5c.

Tritoma (Red-Hot Poker, or Torch Flower)

Showy spikes of bloom in various shades of yellow and scarlet. H. H. P.

Uvaria Grandiflora. Pkt. 5c.

Unicorn Plant

Curious shaped pods, which when young are used as pickles. H. A. 18 in. Pkt. 5c.



SWEET WILLIAM, DOUBLE MIXED

Valeriana (Hardy Heliotrope)

A fine border plant with showy corymbs of red or white, fragrant flowers. H. B. 3 ft. **Pkt. 5c.**

Verbena

Single plants will carpet a bed 3 to 4 feet in diameter with neat foliage and scores of fine flower umbels. For beds, borders, mounds, vases or window boxes it is especially recommended and is frequently used as an undergrowth to taller plants. H. A. 18 in.

Giant White. Very large flowers. **Pkt. 10c.**

Giant Pink. A beautiful shade. **Pkt. 10c.**

Giant Scarlet. Very brilliant, excellent for bedding purposes. **Pkt. 10c.**

Giant Crimson. Beautiful rich crimson-colored flowers. **Pkt. 10c.**

Giant Oculata. Brilliant flowers of fine size, each with a large white eye. **Pkt. 10c.**

Giant Mixed. A carefully prepared mixture of brilliant and choice varieties. The flowers are of great size and the colors are all desirable. **Pkt. 10c., ¼ oz. 40c.**

Choice Mixed. All colors. **Pkt. 5c., ¼ oz. 25c.**

Vinca (Madagascar Periwinkle, or Old Maid)

Ornamental and free-flowering. Sow early and transplant to obtain stocky plants. Can be taken up in Fall and bloomed in the house like Chrysanthemums. Fine for beds or borders. T. P. 6-8 in. **Mixed. Pkt. 5c.**

Viola (Violet)

Seed sown in early Spring will produce flowers by June and until frost will be a perfect sheet of bloom. Very effective in masses or when used for borders. Colors, clear and distinct and of great diversity. H. P. 4-6 in.



VERBENA, GIANT MIXED

Noll's Improved Tufted Pansy Violet. Flowers with distinct faces, each different. Blooming period covers a longer season than the Pansy and flowers have the delightful fragrance of the Violet. In a light rich soil and a moist situation they will bloom the entire Summer. **Pkt. 10c.**

Fine Mixed. A splendid mixture of the best sorts. **Pkt. 10c.**

Wallflower

Favorite sweet-scented flowers, of many fine colors; largely used for Spring bedding. Easily grown, lasting well as a cut flower. T. P. 18 in.

Double Mixed. Double German varieties. **Pkt. 10c.**

Single Mixed. A fine mixture of single flowering varieties. **Pkt. 5c.**

Wild Cucumber Vine

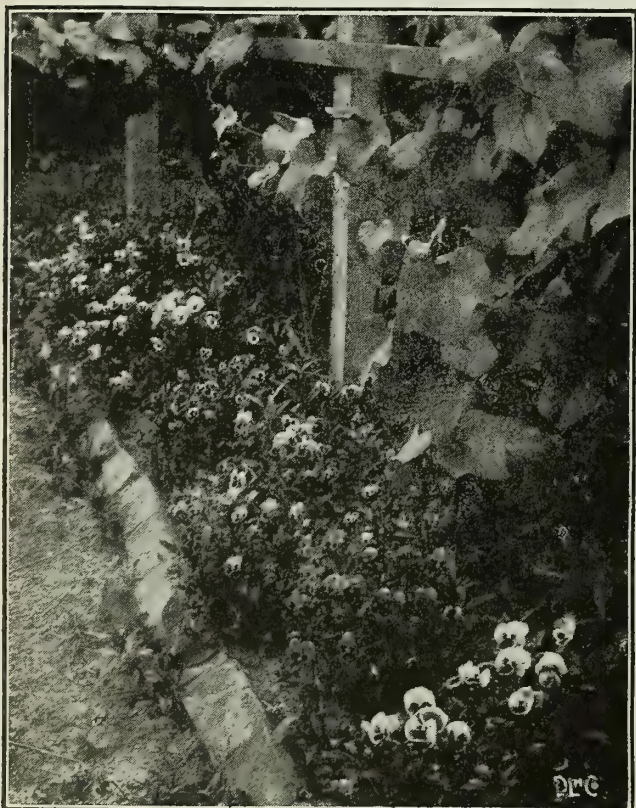
The quickest growing climber in our entire list. Thickly dotted all over with pretty white, fragrant flowers, followed by an abundance of ornamental and prickly seed pods. Will quickly cover a trellis, fence or arbor. H. A. 15-30 ft. **Pkt. 5c., ½ oz. 10c., oz. 15c., ¼ lb. 40c.**

Wistaria

For arbor or trellis no vine can equal the majestic grandeur of this popular flower. Bears grand panicles of lilac-blue or silvery white flowers. H. P. C. 15-20 ft. **Mixed Colors. Pkt. 10c.**

Zea Japonica (Japanese Maize)

Quadricolor Perfecta. Of quite dwarf growth and bushy habit. The leaves are broad, colored yellow, green and rose, with dark red stripes. Valuable for borders and backgrounds. H. A. 3-4 ft. **Pkt. 10c.**



VIOLA, NOLL'S IMPROVED TUFTED PANSY VIOLET

Zinnia

(Youth and Old Age)

The plants come easily to blooming size from seed, and should be transplanted to at least 8 inches apart, to allow for development. They make a magnificent display in beds or borders. Blooms the entire season. H. A. 1-2 ft.

Curled and Crested. Petals curled and twisted in graceful forms. Mixed colors. **Pkt. 10c., ¼ oz. 20c.**

Jacqueminot. Double flowers of a vivid and velvety rich scarlet-crimson. **Pkt. 10c.**

Zebra. Striped flowers; colors vary on the same plant. **Pkt. 5c., ¼ oz. 20c.**

Giant Flowering, Mixed. A mixture of the largest, extremely double and most brilliant colored Zinnias yet obtained. Plants robust and able to bear the great load of magnificent blooms produced. The flowers are immense, surpassing any other strain, often measuring 4 to 5 inches in diameter and come in almost every color known. **Pkt. 10c., ¼ oz. 30c.**

Double Mixed. A fine strain, containing many fine colors and shades. **Pkt. 5c., ¼ oz. 15c.**

Lilliput, or Dwarf Scarlet Gem. An excellent variety for beds or borders. **Pkt. 5c., ¼ oz. 20c.**

Lilliput, or Dwarf White Gem. A showy pure white, double as a Rose. **Pkt. 5c., ¼ oz. 20c.**

Lilliput, or Dwarf Mixed. A magnificent mixture of double-flowering dwarf varieties; recommended for ribbon borders or massing. **Pkt. 5c., ¼ oz. 15c.**



ZINNIA, GIANT FLOWERING, MIXED

NOLL'S COMPLETE FLOWER GARDEN

A Constant Surprise for Six Months Out of the Year



RESULTS OBTAINED BY SOWING NOLL'S COMPLETE FLOWER GARDEN MIXTURE

Contains a mixture of flower seeds that is complete for any purpose, and is in great demand for carriage drives, large borders, shrubbery or woodland. Walks may be brightened with gratifying results by sowing **Noll's Complete Flower Garden Mixture**. The small flower garden is benefited to a large extent, for many varieties are obtained at a very nominal cost. Plant outside in the early Spring at about the time the trees are coming into leaf, sowing the seed thinly and allow room for development for each plant; when one or more leaves have formed no doubt some will have to be transplanted, and you will be greatly interested watching the different plants grow and endeavoring to name each variety.

**Pkt. 5c., oz. 15c.,
¼ lb. 50c., lb. \$1.50.**

SUMMER FLOWERING BULBS, ROOTS, ETC.

CULTURE.—These bulbs are of the easiest culture and give immediate results. Plant out in good rich soil as soon as the ground is warm in the Spring, and you will be surprised with their beauty and abundance of bloom.

Amaryllis

Formosissima (Jacobean Lily). A desirable shade of rich dark scarlet. **10c. each, 3 for 25c.,** postpaid.

Johnsoni. Elegant large flowers, deep red, magnificently striped with white. A popular sort for house culture. **35c. each,** postpaid.

Hallii. A hardy pink-flowered Amaryllis. Produces in early Spring attractive green foliage, which grows until July, when it ripens off and disappears. About a month later, as if by magic, the flower stalks spring from the ground to a height of 2 to 3 feet, developing an umbel of large and beautiful Lily-shaped flowers, 3 to 4 inches across and from 8 to 12 in number, of a delicate lilac-pink shaded with clear blue. Cover crown about 4 inches. **35c. each,** postpaid.

Ismene Calathina

Large Amaryllis-like flowers, pure white and deliciously fragrant. Take up in October; after a few weeks, repot and flower in the house during Winter. **20c. each, 3 for 50c.,** postpaid.

MONTBRETIAS

Resembles the Gladiolus in growth and sword-like foliage, but does not have to be lifted each Fall. The beautiful spikes of star-shaped flowers are in various shades of red, yellow and orange, and bulbs flower freely the first season. **Mixed Colors. 3 for 5c., 15c. per doz., \$1.00 per 100,** postpaid.



AMARYLLIS HALLII

CALADIUM

ESCULENTUM (Elephant's Ear)

An effective plant for beds. Of easy culture; should be planted in good rich soil, with an abundance of rich compost, and where they can obtain plenty of water.

Extra Large Bulbs. 40c. each, \$4.00 per doz., postpaid. By express, not prepaid; **25c. each, \$2.50 per doz.**

First-Size Bulbs, 25c. each, \$2.50 per doz., postpaid. By express, not prepaid: **15c. each, \$1.50 per doz.**

Second-Size Bulbs. 20c. each, \$2.00 per doz., postpaid. By express, not prepaid: **10c. each, \$1.00 per doz.**

Tuberous-Rooted Begonias

These do best in a shady position. Have the soil rich, which serves to make them more profuse in blooming. The colors are very rich and striking. One of the handsomest flowers you can grow.

Single Flowering. Scarlet, Pink, Orange and White. Each 10c., 3 for 25c., 90c. per doz., postpaid.

Double Flowering. Scarlet, Pink, White and Orange. Each 15c., 3 for 40c., \$1.50 per doz., postpaid.

Cinnamon Vine

A rapid growing climber, taking its name from the peculiar fragrance of the delicate white flowers. Leaves are heart-shaped, bright glossy green; growth is very rapid, often running 25 to 40 feet in a season. Perfectly hardy. **5c. each, 6 for 25c., 40c. per doz.,** postpaid.



TUBEROUS BEGONIA

ROOTS AND BULBS—Continued

Calla Lilies

The Golden. Distinct from all other forms of yellow Callas. Same habit of growth as the white Calla; with flowers of same size and shape, but of a clear rich lustrous golden yellow. Foliage is dark green, with a number of translucent creamy white spots, which greatly add to its beauty. **50c. each, 2 for 80c.,** postpaid.

Spotted Leaf. Leaves are a deep green with numerous white spots, which alone give the plant a very ornamental appearance. Flowers are pure white with a black center; grows freely either indoors or out in the open ground. **15c. each, 2 for 25c.,** postpaid.

Black Calla, or Solomon's Lily. Roots come from Jerusalem, in Palestine. Flower richest velvety black, including the spadix or central spike. **20c. each, 3 for 50c.,** postpaid.

HARDY GARDEN LILIES

Auratum (The Golden-Rayed Lily of Japan). The most beautiful of all Lilies. Flowers white, dotted crimson, with a clear golden band running through the center of each petal; very fragrant. **25c. each, 3 for 60c., \$2.25 per doz.,** postpaid.

Speciosum album. Pure white, with greenish band through the center of each petal. **20c. each, 3 for 50c., \$1.75 per doz.,** postpaid.

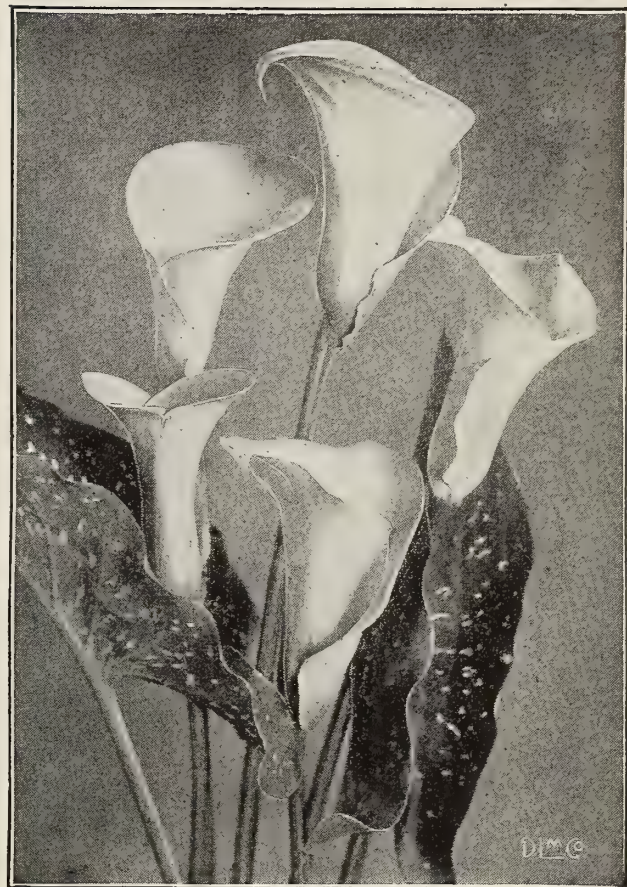
Speciosum rubrum. A most satisfactory sort. Flowers white, with deep rosy crimson band on each petal, and deeper colored spots between. **20c. each, 3 for 50c., \$1.75 per doz.,** postpaid.

Cycas Revoluta (Sago Palm)

Elegant plants for house or conservatory. By express, not prepaid, dormant roots. **10c. per lb.**



LILIUM AURATUM



THE GOLDEN CALLA LILY

Hyacinth Candicans

Summer Flowering Hyacinths. Blooms in the early Spring. Flower spike 3 to 5 feet high, bearing 20 to 30 pure white bell-shaped flowers. Half-hardy. **5c. each, 50c. per doz.,** postpaid.

Japanese Iris

Kämpferi. Very large flowers. 8 to 10 inches in diameter. The best of the Iris family. Large clumps **20c. each, \$2.00 per doz.,** postpaid.

Bleeding Heart

An old favorite. Long graceful racemes bearing pink heart-shaped flowers. **15c. each, 2 for 25c.,** postpaid.

Hardy Perennial Phlox

A very showy flower. Blooms from July until late Autumn. Make excellent cut flowers. Adapted to most any position. We offer them in white, pink, lavender and scarlet. **15c. each, \$1.50 per doz.,** postpaid.

One each of the above, Four Hardy Phloxes 45c., postpaid.

Lily of the Valley

Should be planted in a sheltered position and left undisturbed. Each year it increases in beauty and profusion of bloom. Pure white, nodding bell-shaped flowers, of great fragrance. **5c. each, 6 for 25c., 45c. per doz.,** postpaid.

Tritoma Pfitzeri (Red-Hot Poker Plant)

Brilliant rich scarlet-orange flower, gracefully poised above the rich green foliage. **20c. each, 3 for 50c.,** postpaid.

ROOTS AND BULBS—Continued

Tuberose

Excelsior Double Dwarf Pearl. Long spikes, 20 to 30 inches high, with large, double, pure white flowers of exquisite fragrance. **5c. each, 6 for 25c., 45c. per doz., 30 for \$1.00,** postpaid. By express, not prepaid: **\$1.25 per 100.**

Summer Flowering Oxalis

Bulbs set 3 inches apart will produce an unbroken row of elegant foliage, completely covered with the pretty flowers. Blooms very quickly after planting and furnishes a neat and attractive border the whole season. Splendid for pot culture, and when planted 6 or 8 in a pot are decidedly ornamental.

Shamrock. Clover-like foliage, pink blossoms.

Deppei. Pure white flower, very fine.

Lasiandra. Cut foliage, beautiful rosy pink flowers.

Any of the above: 10c. per doz., 25 for 15c., 50 for 25c., 100 for 40c., postpaid.

Gloxinia

Gorgeous house plants, and the best tuberous-rooted plants for indoor culture. Trumpet-shaped flowers of exceptional color and markings.

Mixed. All the popular varieties in mixture. **10c. each, 3 for 25c., 85c. per doz.,** postpaid.

Tigridia (Tiger, or Shell Flower)

Grows about three feet high, wide open triangular blooms 4 to 6 inches across.

Conchiflora. Dark yellow, large red spots.

Pavonia grandiflora. Bright crimson, center mottled with yellow.

Grandiflora alba. Pearly white, spotted crimson.

Any of the above: 6c. each, 3 for 15c., 50c. per doz., postpaid.



TUBEROSE, EXCELSIOR DOUBLE DWARF PEARL

Paeony

Requires no protection, increases in floral beauty year after year, and once planted will last a lifetime. For best results plant in deep, rich and somewhat moist soil.

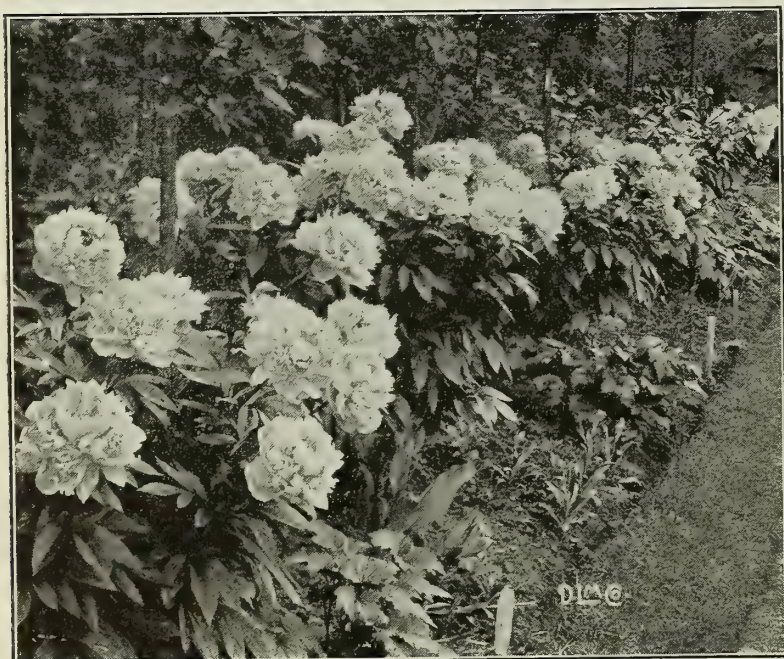
Double White. Snow white. **25c. each.**

Double Pink. Delicate pink. **20c. each.**

Double Red. Crimson. **20c. each.**

Officinalis rubrum. The deep red "piney" of old-fashioned gardens. Very double and fragrant. **20c. each, 3 for 50c.,** postpaid.

One of each of the
FOUR PAEONIES
for 60 cents, postpaid



PAEONIES

Spirea

Queen Alexandra. This variety bears rosy pink flowers. Habit, dwarf and compact. A very profuse bloomer. Perfectly hardy. Do not fail to try this variety as it is sure to please you. **40c., each, \$4.00 per doz.** By express, prepaid.

Japonica. Flowers pure white, borne in profusion. Habit of plant stately and tall. A very desirable variety for outdoors as well as for house culture. **25c. each, \$2.50 per doz.** By express, prepaid.

Compacta. This variety is dwarfer in habit than Japonica and is generally grown for forcing around Easter time. However, it produces a fine plant and blooms outdoors. Flowers are borne in profusion. **30c. each, \$3.00 per doz.** By express, prepaid.

FOR OUR
1912 Special Offer
See Page 51

CANNA

CULTURE.—The varieties of Cannas offered are all of the highest type of beauty, and every color known among Cannas is represented. When planting do not set roots too deeply; the eye should show a little through the ground. Do not plant outdoors until about the middle of May, when the weather is generally settled and the ground warm.

New Giant Flowering Cannas

One of each of the 7 new Giant Flowering Cannas for only \$1.50, postpaid.

ROSEA GIGANTEA. A beautiful new variety with extra large flowers borne in such abundance that the mass of color on each plant is truly amazing. Flowers deep rich rose, almost a coral-crimson; petals $2\frac{1}{2}$ inches across. Foliage luxuriant and deep green in color. 4 ft. 40c. each, 2 for 75c., postpaid.

MONT BLANC, IMPROVED. A Canna with such sparkling whiteness that it rivals the Easter Lily for its chasteness. The blossoms are truly gigantic and make a magnificent display, and are produced freely all the season; almost snow-white in color, showing to great advantage above the vigorous green foliage, and grow upright, an advantage not found in any other white-flowering Canna. $3\frac{1}{2}$ ft. 25c. each, 3 for 65c., postpaid.

BUTTERCUP. Always shows up bright and clear; true buttercup-yellow. Without exception the most magnificent pure bright deep canary-yellow Canna in existence. Green foliage. 3 ft. 20c. each, 3 for 50c., postpaid.

BETSY ROSS. The fairest and most beautiful pure pink-flowered Canna ever introduced. Green foliage. 3 ft. 20c. each, 3 for 50c., postpaid.

KING HUMBERT. Magnificent giant flowers of pure orange-scarlet, produced in great trusses, setting off to great advantage the handsome leathery bronze foliage. Should be in every collection. 4 ft. 30c. each, 2 for 50c., postpaid.

NEW YORK. Orchid-flowered with five petals, 5 to 7 inches across, of an intense carmine, well set above the magnificent broad deep green foliage, heavily marked and veined with a rich plum color. Each plant produces at the one time 5 or 6 torch-like floral heads and continues to do so through the season. 6 ft. 25c. each, 2 for 45c., postpaid.

WILLIAM SAUNDERS. Bright scarlet flowers produced on branching stems about 4 feet high, in great clusters, often a foot across. Old flowers drop or plant is self-cleaning, which means fresh flowers every morning from June until frost. Bronze leaves that are truly magnificent. 40c. each, 2 for 75c., postpaid.

Four Recent Introductions

One of each of the following 4 recently introduced Cannas for only 65c., postpaid.

INDIANA. A new Hybrid Orchid-flowered Canna of highest merit. Foliage forms a solid mass 4 feet high; flower spikes shoot up to about 6 feet, each one bearing big clusters of Orchid-like flowers of a glistening golden orange, daintily marked and striped with red. Single blossoms often 7 inches across. 20c. each, 2 for 35c., postpaid.

LOUISIANA. Magnificent Orchid-like flowers of vivid scarlet with no markings, of immense size, often more than 7 inches across. Blooms tremendously, frequently 5 or 6 stalks flowering at once. Green foliage. 7 ft. 20c. each, 2 for 35c., postpaid.

NIAGARA (Crimson and Gold). Great trusses of bright and durable flowers, most handsomely colored deep rich crimson, each petal with a wide irregular border of deep golden yellow. Green foliage. 3 ft. 20c. each, 2 for 35c., postpaid.

VENUS. The coloring is most gay and fantastic; holds the eye with the handsome rosy pink, which forms the ground color of the flower, but each blossom has a mottled border of creamy yellow, rendering it a most conspicuous variety. Blooms the entire season, flowers are always bright, old ones drop as fast as new flowers form. Green foliage. 4 ft. 20c. each, 2 for 35c., postpaid.



CANNA, GLADIATOR

Best Standard Bedding Cannas

One of each of the following best 5 Standard Bedding Cannas, only 50c., postpaid.

BLACK WARRIOR. A very dark, rich shade of maroon. Green foliage, 3 to $3\frac{1}{2}$ ft. 20c. each, 3 for 50c., postpaid.

DAVID HARUM. Bright vermilion-scarlet, mottled deep red; bronze-colored leaves. 3 ft. 15c. each, 2 for 25c., postpaid.

GLADIATOR. The handsome bright golden yellow flowers are magnificently marked with bright red spots. Green foliage. 5 ft. 20c. each, 3 for 50c., postpaid.

MRS. KATE GRAY. Orchid-flowered; flowers 6 inches across; of rich orange-scarlet, flaked and streaked golden-yellow. Green foliage. 5 ft. 15c. each, 2 for 25c., postpaid.

PARTRIE. A magnificent shade of scarlet. Green foliage. 3 ft. 20c. each, 3 for 50c., postpaid.

Six Choice Bedding Cannas

One of each of the following 6 Choice Bedding Cannas, only 45c., postpaid.

COMTE DE BOUCHARD. Golden yellow flowers with numerous red spots. A very fine variety. Green foliage. $4\frac{1}{2}$ ft.

DR. NANSEN. This is without doubt the best dwarf yellow Canna for beds or borders. Color a clear yellow, very beautiful. Green foliage. $2\frac{1}{2}$ ft.

DUKE OF MARLBOROUGH. Dark rich velvety crimson flowers, in large trusses. Green foliage. 4 ft.

MARTHA WASHINGTON. Clear, bright rose-pink, in extra large trusses; flowers 5 inches across. Green foliage. 3 ft.

PILLAR OF FIRE. Bright crimson-scarlet flowers, borne in erect spikes like blazing torches. An excellent center for a bed, vigorous growth of 6 to 7 feet. Green foliage.

QUEEN CHARLOTTE. Bright glowing crimson, each petal elegantly bordered with bright golden yellow. Makes a magnificent bedder; very showy. Green foliage. $2\frac{1}{2}$ ft.

Any of the above: 15c. each, 2 for 25c., \$1.25 per doz., postpaid.

DAHLIAS

Seven New Giant Dahlias

One strong root of each of the 7 New Giant Dahlias
for only \$1.25.

Cuban Giant. Flower 6 to 7 inches in diameter. Dark, glowing crimson, shaded maroon.

Gettysburg. Bright rich crimson flower, extremely large size, 6 to 7 inches across.

Gigantea. A pleasing shade of creamy white, of distinct decorative shape, over 6 inches in diameter.

Madam Van den Dael. Immense in size and of beautiful form. Color shell-pink with deeper markings.

Mrs. Roosevelt. A delicate shade of soft pink. Flowers extremely double; very large, measuring 6 to 8 inches in diameter. **30c. each, 2 for 50c.**

Pendent. Large bright crimson-maroon. Early and profuse bloomer.

Souv. de Gustave Doozan. Color a beautiful red; flowers 6 to 8 inches in diameter, on long stems, well above the foliage.

Any Giant variety (except where priced):
25c. each, 2 for 45c., \$2.50 per doz., postpaid.

Show Dahlias

One strong root of each of the 6 Show varieties
for only 75c., postpaid.

A. Pepperhorn. Rosy crimson flower of finest form.

Arabella. Color pale primrose, tipped and shaded old rose and lavender. Valuable for cutting.

Lemon Beauty. Full rounded form; color a beautiful soft shade of lemon-yellow. **20c. each, 3 for 50c.**

Paul's Scarlet. Brightest scarlet, finely formed.

Red Hussar. An intense scarlet-crimson; the best of its color.

Storm King. Finest of all white Show Dahlias. Early, profuse and constant bloomer. **20c. each, 3 for 50c.**

Any Show variety (except where priced):
15c. each, 2 for 25c., \$1.25 per doz., postpaid.

Decorative Dahlias

One strong root of each of the 12 Decorative varieties
for only \$1.50, postpaid.

Catherine Duer. Bright iridescent crimson-scarlet, without markings. Immense size. **20c. each, 3 for 50c.**

C. W. Bruton. Finest canary-yellow.

Grand Duke Alexis. Pure white, shaded delicate shell-pink. The petals beautifully quilled. **20c. each, 3 for 50c.**

Henry Patrick. Superb, pure waxy white, of large size.

Lyndhurst. Bright scarlet; invaluable for cutting.

Maid of Kent. Cherry-red, tipped white; sometimes a solid color, when it is a superb red.

Miss Minnie McCullough. Soft yellow, overlaid with bronze. **20c. each, 3 for 50c.**

Miss Nellie Stuart. Light center, shading to pink at tips of petals. Long, stiff stems. **20c. each, 3 for 50c.**

Mrs. Chas. Turner. Immense pure yellow flowers in great profusion. **20c. each, 3 for 50c.**

Nymphæa. Light shrimp-pink, lighter toward the center.

Sylvia. Fine form, full at center, which is white, shading to soft pink on the outer petals. **20c. each, 3 for 50c.**

Wm. Agnew. Best red ever introduced, for cutting or decorative purposes. Color intense glistening scarlet-crimson.

Any Decorative variety (except where priced):
15c. each, 2 for 25c., \$1.25 per doz., postpaid.

Pompon Dahlias

One strong root of each of the 5 Pompon Dahlias
for only 50c., postpaid.

Alewine. White, flushed pink.

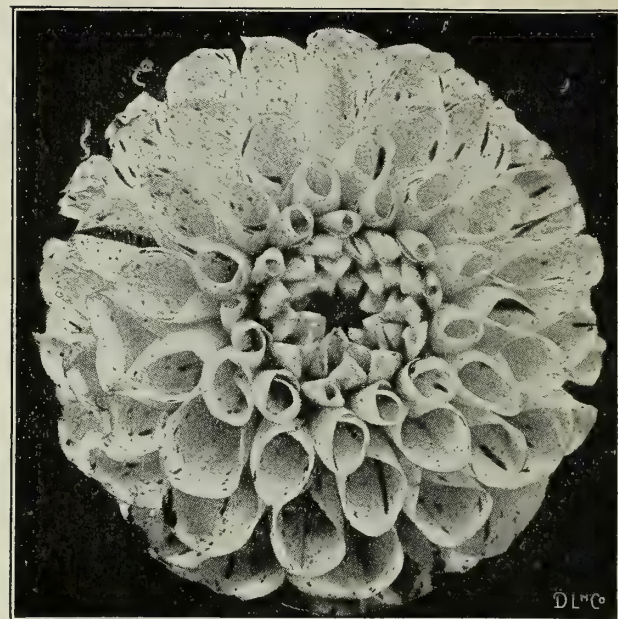
Fairy Queen. Sulphur-yellow, edged deep peach.

La Petite Jean. Dark rich crimson; very fine.

Snowclad. Finest white Pompon to date.

Splendens Imbricata. Very bright red; fine form.

Any Pompon variety:
15c. each, 2 for 25c., \$1.25 per doz., postpaid.



DAHLIA, ARABELLA

Cactus Dahlias

One strong root of each of the 6 Cactus varieties
for only 75c., postpaid.

Aunt Chloe. Dark maroon, shaded black; perfect form, with narrow pointed petals. **20c. each, 3 for 50c., postpaid.**

Countess of Lonsdale. A most pleasing shade of amber and salmon-pink. A profuse bloomer, and considered the best variety for cut flowers. **20c. each, 3 for 50c., postpaid.**

J. H. Jackson. The largest flowered of the dark colored sorts. The blossoms are immense in size; deep rich, velvety maroon; showy variety. **20c. each, 3 for 50c., postpaid.**

Kriemhilde. A beautiful fresh, delicate pink, shaded deep rose-pink, with an exquisite white center, giving a delightful pink and white contrast. **20c. each, 3 for 50c., postpaid.**

Mrs. H. J. Jones. The incurved portion of each petal is deep crimson, with a broad stripe of white running through the center of each petal, extending almost to center of blossom, where it blends most harmoniously with the deep crimson. This variety always comes true, and in this respect is unlike any other fancy Cactus Dahlia. **20c. each, 3 for 50c.**

Winsome. Large flowers of pure spotless white, with twisted incurved petals. Borne on long, erect stems, which hold flowers erect, in marked contrast to other white Cactus Dahlias. The finest white Cactus Dahlia to date. **20c. each, 3 for 50c.**

Fancy Dahlias

One strong root of each of the 3 Fancy varieties
for only 40c., postpaid.

Frank Smith. Rich dark purple-maroon, exquisitely tipped pinkish white. A superb flower.

Goldsmith. Glistening yellow, striped and edged bright glowing crimson. A handsome variety and in great demand.

Professor Mansfield. Flower very large, golden yellow, tipped white; sometimes varies in color.

Any Fancy variety:
20c. each, 3 for 50c., \$1.75 per doz., postpaid.

Unnamed Double Dahlias, Under Color

White, Pink, Yellow, Red

Not offered as a mixture, but under color so you can select the color desired. We recommend this as a much better way than purchasing mixed roots, and not knowing what you have until they bloom, and they cost no more.

10c. each, 4 for 30c., 90c. per doz., postpaid.
By express, not prepaid: \$6.00 per 100.

GLADIOLI

Selected from a long list as being a complete collection of all the gorgeous colors that have been developed in this favorite flower. Each bulb will be sure to bloom this coming season.

Noll's Banner Gladiolus Collection

One of Each of the Three Named Gladioli
For Only 35c., Postpaid.

PRINCEPS (Red). Amaryllis-flowered and well-named "King of all Gladioli." The individual flowers are 5 to 6 inches in diameter. Petals wide, rounded and well reflexed; has three broad white blotches on the lower petals. A great prize winner. **15c. each, 6 for 75c.,** postpaid.

BLANCHE (White). Magnificent, large, pure white flowers, with but faint markings. Plant is of medium height and is rarely blown over. **15c. each, 6 for 75c.,** postpaid.

BARON HULOT (Blue). The color is a rich deep violet-blue, and is by far the best blue Gladiolus ever introduced. **15c. each, 6 for 75c.,** postpaid.

Noll's New Show Varieties

America. Soft lavender-pink. Unsurpassed for cut flowers. **15c. each, 6 for 75c.,** postpaid.

Mrs. Francis King. Light scarlet; vigorous growth and a free bloomer. **10c. each, 6 for 50c.,** postpaid.

I. S. Hendrickson. An irregular mottling of white and pink. Large, handsome spikes. **20c. each, 3 for 50c.,** postpaid.

Attraction. Deep rich crimson, with large white center and throat. **15c. each, 6 for 75c.,** postpaid.

Sunlight. Light crimson with canary-yellow throat, mottled velvety maroon; very striking color. **10c. each, 3 for 25c.,** postpaid.

Melrose. White, flaked pink, bright crimson center. Very large and fine. **15c. each, 2 for 25c.,** postpaid.

One of each of the above 6 New Show Gladioli,
Only 50c., postpaid.

Noll's Superb Mixture

Grown for us by well known Gladiolus specialists who have been growing this mixture for us for years. This mixture is superb in every respect. For making a brilliant show of color you cannot get a finer assortment than this mixture. **30c. per doz., \$2.00 per 100,** postpaid.

Childsii Mixture

This mixture is made up from the above strain of Gladiolus, which is unsurpassed in length of flower spike, size of flower, and range of color and markings. These are grown for us by a very large grower who prides himself on this strain which has established his name as one of the best Gladiolus specialists in the United States. You should not fail to order at least a few of this excellent mixture. **5c. each, 6 for 25c., 45c. per doz., \$3.50 per 100,** postpaid. By express, not prepaid: **\$3.00 per 100.**

Gladiolus in Shades

These bulbs are blooming size and are sure to satisfy.

Pink Shades. Each 5c., doz. 40c., 100 \$3.00, postpaid.

Red and Scarlet Shades. Each 4c., doz. 35c., 100 \$2.50, postpaid.

Yellow Shades. Each 7c., doz. 65c., 100 \$4.50, postpaid.

White and Light Shades. Each 5c., doz. 40c., 100 \$3.00, postpaid.



GLADIOLUS, SUNLIGHT

Standard Named Varieties

Ajax. Striped.

Augusta. Pure white, blue anthers.

Brenchleyensis. Vermilion scarlet.

Ceres. White spotted purplish rose.

Columbia. Orange scarlet, blotched.

Gracilis. Dull red, penciled slaty blue.

Jessie. Velvety, red.

Little Blush. Blush white, compact spike.

Oddity. Amaranth red, suffused purple blue.

Salem. Fine salmon pink.

Any of the above **5c. each, 6 for 25c.,**
12 for 45c., postpaid.

One of each of the
10 Named Varieties
for 30 cents, postpaid

SELECTED ROSES

We have used great care in the selection of the following list of Roses and are positive they will please all purchasers. The varieties offered are two-year-old plants, field grown and then potted and with ordinary care will produce the finest flowers and most fascinating colors. Customers wishing Rose plants shipped will bear in mind that the sizes we offer are not mailable but are shipped by express at purchaser's expense.

The Bride. One of the most desirable pure white Roses grown today. Produces large bud, flowers pure white, slightly tinted flesh color sometimes. A constant flowering variety. **50c. each, \$5.00 per doz.**

Bridesmaid. A popular variety. Produces large flowers, full and fragrant; color rose pink shaded darker. A very desirable variety for cutting. **40c. each, \$4.00 per doz.**

Clothilde Soupert. A very fine Rose; flowers large and full, very fragrant; color creamy white, center a bright pink.

Couquette de Lyon. A large flowering variety, color a delicate canary yellow. Produces very large flowers of great substance. A fine variety for cutting. **60c. each, \$6.00 per doz.**

Helen Gould. This variety is well known as an extra large bloomer, bearing immense flowers of a rich crimson color. The flowers are borne in great masses throughout the entire Summer season. A most desirable variety. **60c. each, \$6.00 per doz.**

Killarney. One of the finest Roses in cultivation. Produces very large blooms of a rich pink color. It is a free bloomer, very fragrant, and in every detail it is a superb variety. **60c. each, \$6.00 per doz.**

Lucullus. One of the darkest colored Roses, sometimes called the "black rose," on account of its deep crimson color. A constant bloomer, flowers large and full. **40c. each, \$4.00 per doz.**

Laurent Carle. A very vigorous growing variety; bears large bud like blooms of a brilliant velvety carmine. It is very fragrant and an excellent variety for exhibition or decorative purposes.

Mme. Margottin. A very profuse bloomer; large full flowers of great substance; color a rich citron red, shaded with apricot. A very desirable variety as it is a constant bloomer.

Magnafrano. This grand variety deserves a place in every Rose garden as it is one of the finest varieties yet introduced. In color it is crimson scarlet, resembling Gen. Jacqueminot. The flowers are large and full; very fragrant and perfectly hardy. An excellent variety for cut flowers. **40c. each, \$4.00 per doz.**

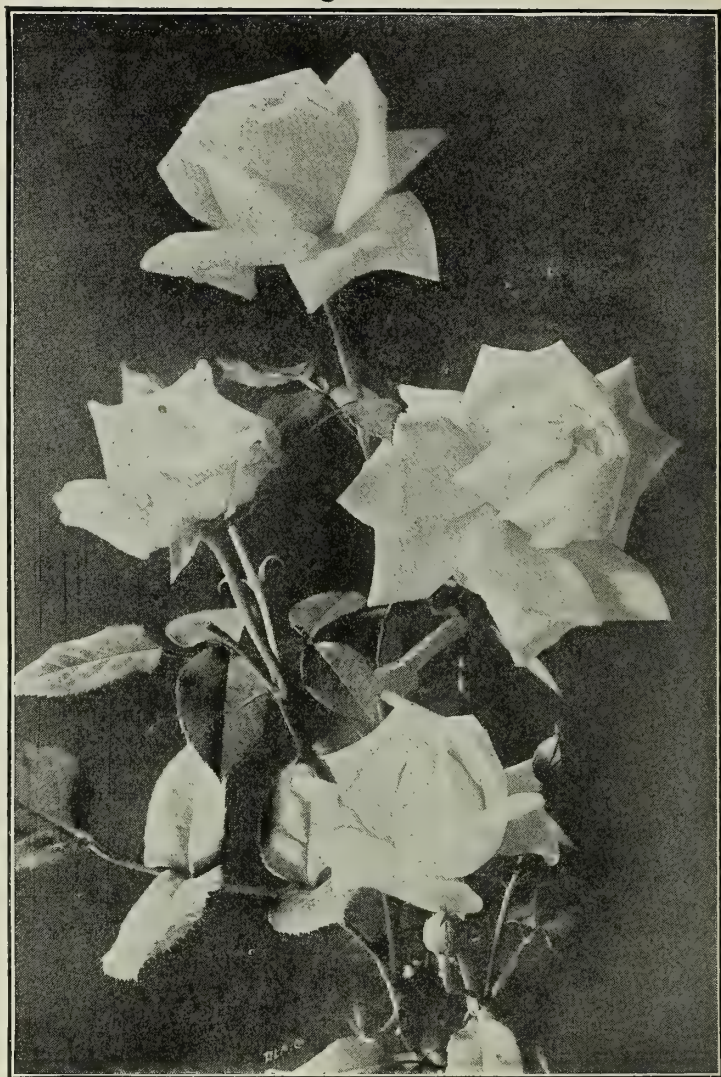
Kaiserin Augusta Victoria. A very well known variety. Produces large, full flowers of a creamy white color, which are very fragrant and of great substance. A very profuse bloomer. **40c. each, \$4.00 per doz.**

Safrano. This variety is noted for its constant blooming. Color is a bright apricot yellow, often assuming an orange color. It is very fragrant and a quick bloomer.

Cardinal. A very desirable, new variety; a strong grower and a free bloomer. Produces large full flowers of a deep crimson color. **40c. each, \$4.00 per doz.**

Champion of the World. All that the name implies; in color, vigorous growth, constant blooming, hardiness, etc. Color a dark rose pink, flowers large and full. **50c. each, \$5.00 per doz.**

La France. This, no doubt, is the best known Rose cultivated today. This superb variety blooms constantly during the season, oftentimes being in bloom when freezing weather sets in. Color a delicate shade of peach blossom, suffused with rosy flesh. Flowers and buds are of good form and very large. **40c. each, \$4.00 per doz.**



ROSE, KAISERIN AUGUSTA VICTORIA

General Jacqueminot. This is one of the most desirable Hybrid Perpetual varieties to grow. The color is a very dark crimson. A very hardy and vigorous grower; early and profuse bloomer. **50c. each, \$5.00 per doz.**

Ulrich Brunner. In color, a cherry red; produces very large flowers on branches almost thornless. As a cutting variety it is unsurpassed. Very fragrant.

Paul Neyron. Claimed by many to be the largest flowering variety cultivated today. Produces immense blooms dark rose in color. Sometimes called the "Pæony-flowering" Rose on account of its large size. **40c. each, \$4.00 per doz.**

Prince Camille de Rohan. This is the darkest colored Rose of them all. Color a velvety dark crimson, almost black. Flower large size and of great substance.

Frau Karl Druschki. The finest white Rose yet introduced. Produces immense blooms, very double and full. A free bloomer; perfectly hardy; a vigorous grower. **50c. each, \$5.00 per doz.**

American Beauty. Too well known to need much description. Very fragrant; color deep pink to crimson. This variety is very desirable for cutting purposes.

Magna Charta. A most beautiful sort, large full flowers of great depth and substance. Color a bright, rosy pink; a very profuse bloomer.

Any of the varieties not priced, 35c. each, \$3.50 per dozen.

HARDY ORNAMENTAL TREES, ETC.

We import these in large quantities from Holland every year and know you cannot get better value for the money anywhere. The plants we offer are good shape, robust and vigorous. The following list comprises the most beautiful varieties and will thrive in almost any climate in this country. Shipped by express, not prepaid.



PYRAMIDAL BOX TREE

BUXUS SEMPERVIRENS (Boxwood)

Fine for producing effects in lawns, driveways, walks, etc. Keep green all the year round; very hardy and vigorous. We offer ball shaped plants as follows: 1 ft. **30c. each**, 1½ ft. **50c. each**, 2 ft. **75c. each**; Pyramidal shape. 3 feet high, **\$1.50 each**.

ABIES NORDMANNIANA (Silver Fir)

This is one of the most beautiful foliage trees we offer. Foliage is a massive dark green, having a silvery effect above, and glaucous below, producing a fine sight to behold throughout the year. 2 ft. specimens **75c. each**, 2½ ft. **\$1.25 each**, 3 ft. **\$1.75 each**.

PICEA PUNGENS (Koster Blue Spruce)

A selection out of the bluest tints of the Colorado Blue Spruce. This is one of the most attractive conifers yet introduced. Makes a fine show on lawns, cemeteries, drive entrances, walks, etc. Holds its color throughout the year. 1 ft. trees **75c. each**, 1½ ft. **\$1.25 each**, 2½ to 3 ft. **\$2.50 each**.

RETINISPORA PISIFERA AUREA

(Japan Cypress)

Grows in a pyramidal form; is very graceful and of a beautiful bright golden color. Plants 2 to 2½ ft. high, **\$2.00 each**.

RETINISPORA SQUARROSA

This is another variety of the Japan Cypress but has steel colored foliage. This variety grows very compact and can be pruned into almost any shape or size desired. Plants 2 to 2½ ft. high, **\$2.00 each**.

KALMIA LATIFOLIA (Mountain Laurel)

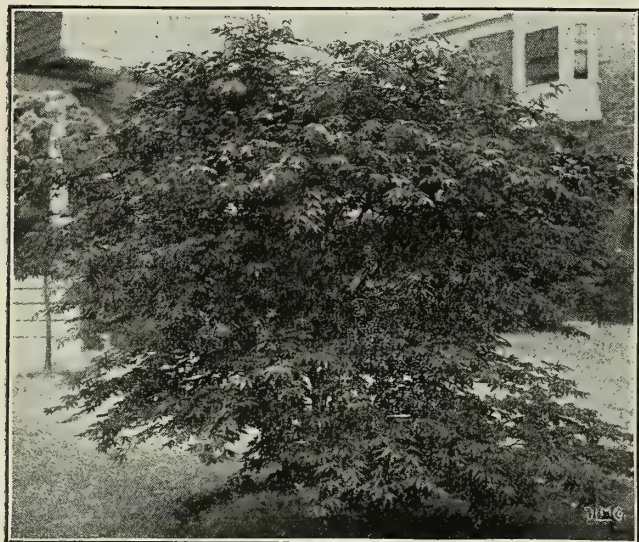
A very showy plant bearing flowers similar to Rhododendrons. A valuable plant for massing under trees in shady positions, etc. Plants 1½ ft. high, **75c. each**.



KOSTER'S BLUE SPRUCE

N. B. Ornamental Trees, etc., will be shipped by express, not prepaid, no charge for packing

HARDY ORNAMENTAL TREES, ETC.—Continued



JAPANESE MAPLE

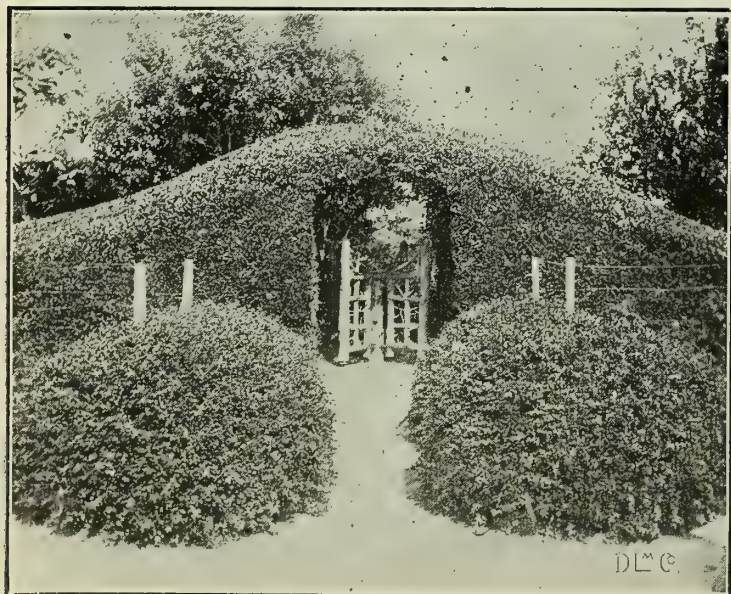
ACER POLYMORPHUM (Japan Maple)

These foliage trees are very beautiful, especially in the Fall, when they are in full leaf. For effects in lawns they cannot be surpassed. The trees we offer are good thrifty stock.

Japonicum Aureum. The foliage of this variety is colored yellow, of a fascinating shade; strong plants. **\$1.00 each, \$10.00 per doz.**

Palmatum Dissectum Viride. This variety produces foliage of a delicate green shade, finely cut; makes a handsome appearance; strong plants. **\$1.00 each, \$10.00 per doz.**

Polymorphum Atropurpureum. This is one of the standard varieties, producing quite large foliage of a dark purple. Grows into a bushy tree, which adds effect to any lawn. Strong pot grown plants. **\$1.00 each, \$10.00 per doz.**



PRIVET

CALIFORNIA PRIVET (*Ligustrum ovalifolium*)

The most popular hedge plant grown. Extremely hardy and a rapid grower. Can be pruned into almost any shape desired; cutting improves them. We offer strong healthy plants. **\$5.00 per 100, \$40.00 per 1000.**

RHODODENDRONS

These plants are favorably known. Are used in almost every way in landscape gardening; but do best in shaded positions. They can be used for massing, making a very fine show all the year round, especially when in bloom. The plants we offer are thrifty and healthy stock. Colors represented are, white, pink, red and purple. **\$1.00 each, \$10.00 per doz.**



RHODODENDRON

AZALEA MOLLIS

This variety is perfectly hardy, and during May produces brilliant colored flowers in different salmon shades. The foliage appears immediately after the flowers have dropped. Very showy plants for massing. Plants about 1 foot high, **35c. each, \$3.50 per doz.** We also offer this variety on stems about 2 ft. tall, **75c. each, \$7.50 per doz.**

AZALEA AMOENA

This variety is practically green with foliage throughout the year. In the late Spring the plants become literally covered with small, rosy crimson flowers, which produce a wonderful effect. Plants about 1 ft. high, **50c. each, \$5.00 per doz.**

DEUTZIA GRACILIS

A graceful and charming shrub, bearing pure white flowers over the entire plant; blooms during June. 1 ft. plants, **20c. each, \$2.00 per doz.**

CALYCANTHUS FLORIDUS

(Sweet Scented Shrub)

This is an old but very popular shrub. Flowers are of a deep purple color, which are very fragrant. **25c. each, \$2.50 per doz.**

HARDY ORNAMENTAL TREES, ETC.—Continued**WEIGELA**

This plant is of Japanese origin. Produces large trumpet shaped blooms along the branches during June and July. The variety we offer, **Eva Rathke**, is one of the finest grown. Color a rosy crimson. Large plants. **25c. each.**



JAPANESE SNOWBALL

VIBURNUM OPULUS

A variety of Japan Snowball, long and well known. Produces in profusion ball shaped blooms, pure white in color. The foliage is a shining green; very showy. Strong plants, **25c. each, \$2.50 per doz.**

VIBURNUM PLICATUM

Produces globular shaped blooms pure white in color. Color of foliage very handsome dark green, crinkled. This variety of Snowball is a very long bloomer, lasting for weeks during the Spring. Strong plants, **35c. each, \$3.50 per doz.**

CYTISUS—LABURNUM

(Golden Chain)

This plant bears long pendent racemes of golden colored flowers during the month of June. This makes a very showy and beautiful plant. **50c. each, \$5.00 per doz.**

PRUNUS TRILOBA

(Double Flowering Plum)

This is a very showy shrub, perfectly hardy. Flowers are semi-double of a delicate pink color. Blooms in May. **50c. each.**

CRATAEGUS OXYACANTHA

(HAWTHORN)

A very pretty tree shrub. Flowers are borne in profusion, colored red and white. It can also be used as a hedge, the branches being studded with thorns, thereby keeping dogs, etc., from going through. We offer them in pyramidal form, also on stems. **60c. each, \$6.00 per doz.**

ALTHEA (Rose of Sharon)

These plants produce robust bushes, which make a very pretty effect on lawns, or borders. The flowers are large and very pretty. Different colors. Strong plants, **35c. each, \$3.50 per doz.**

LILAC

An old favorite flowering bush. We offer them in colors, purple and white. Strong plants, **35c. each.**

PHILADELPHUS (Mock Orange)

This is another flowering bush. Extremely hardy; produces pure white flowers, which are very fragrant. Large plants, **25c. each, \$2.50 per doz.**

FORSYTHIA FORTUNEI (Golden Bell)

This is a very early blooming bush, the flowers appearing before the foliage. Very attractive and perfectly hardy. Large plants, **25c. each, \$2.50 per doz.**

HYDRANGEA PANICULATA (Bush Form)

This is one of the most popular and desirable plants you can grow. Produces oblong shaped flowers about August. Are a greenish white when first appearing, gradually turning white, later they turn a reddish color. Can be used as a dry flower for decorative purposes. Good thrifty plants, **25c. each, \$2.50 per doz.**

We also supply this variety on stems about three feet high. **50c. each, \$5.00 per doz.**



HYDRANGEA PANICULATA GRANDIFLORA

CHOICE HARDY CLIMBING PLANTS



CLEMATIS—LARGE FLOWERING

AMPELOPSIS VEITCHII (Boston Ivy)

This is one of the handsomest vines to grow on walls or sides of brick houses. Clings very firmly to the smoothest surfaces. **25c. each, \$2.50 per doz.**

ARISTOLOCHIA SIPHO (Dutchman's Pipe)

Brownish colored flowers, which resemble a pipe in shape. This vine grows quite rapidly, producing very large, heart-shaped foliage. **50c. each, \$5.00 per doz.**

CLEMATIS

This is one of the most popular climbers we know of. Grows best in a sandy loam. Produces large blooms, which are most beautiful. We offer the following varieties, potted plants.

Jackmanii. Flowers colored a fine purple. **50c. each.**

Henryi. Pure white, fine large flowers. **50c. each.**

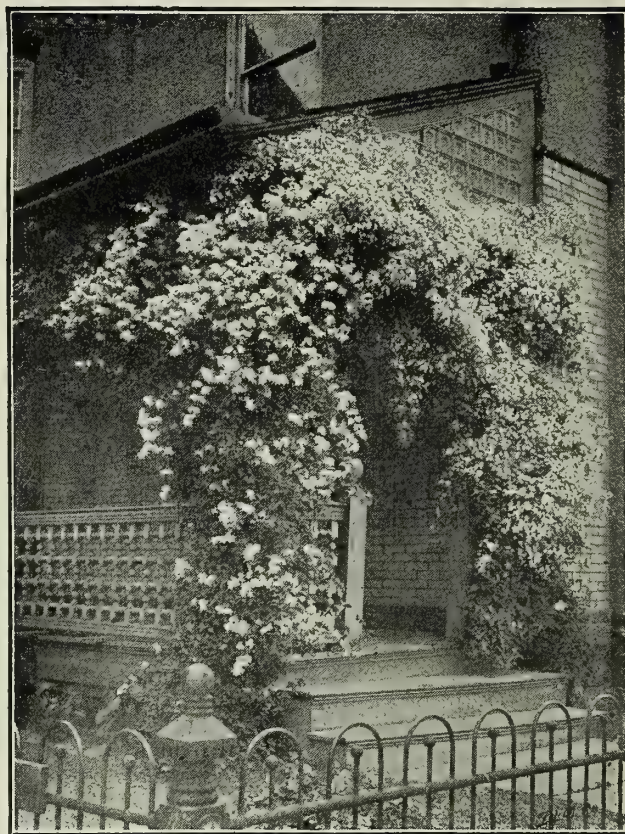
Ville de Lyon. A beautiful red; large. **50c. each.**

Duchess of Edinburgh. This variety is a double flowering white, very beautiful. **50c. each.**

Paniculata (Virgin's Bower). This variety produces small white flowers, in clusters, covering the plant over the entire top. **25c. each.**

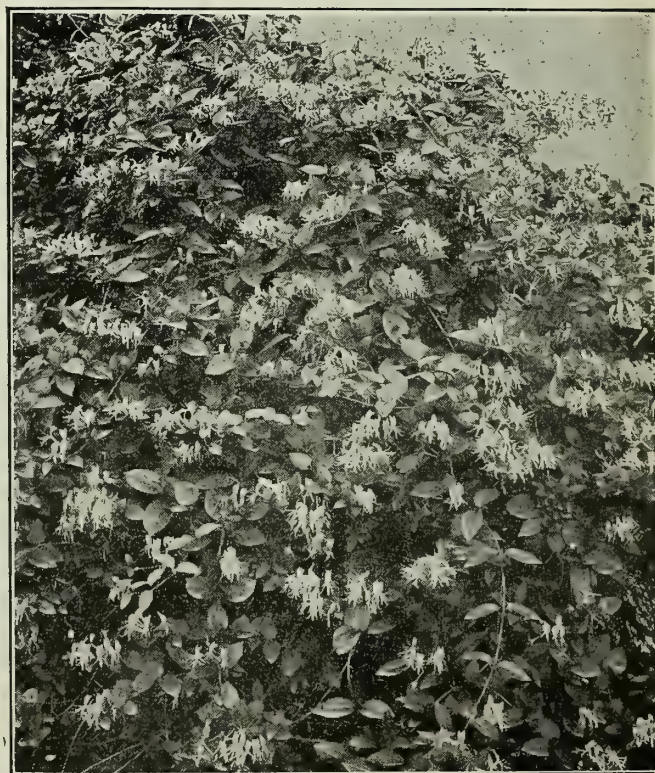
LONICERA (Honeysuckle)

The popular old fashioned climbing plant. Very sweet scented and free flowering. A rapid climber, making a dense foliage. Valuable for covering unsightly buildings, fences, etc. We offer them in two colors, red or white, fine large plants. **25c. each, \$2.50 per doz.**



CLEMATIS

See Page 51 for 1912 Special Offer



HONEYSUCKLE

HARDY PERENNIAL PLANTS

The following list of hardy plants will afford more pleasure with less care than any other flowers you can plant. Once planted they will thrive with very little attention. Plant in ordinary good soil, affording generous space between plants. Keep well weeded.

ASTERS

They are among the showiest late flowering plants, producing a mass of blooms, when most other sorts are past. We offer them in mixed colors only. **15c. each, \$1.50 per doz.**

AQUILEGIA (Columbine)

This is one of the old favorite flowers, blooming in the late Spring. The plants grow about two feet tall and will thrive in any good soil. Mixed colors. **15c. each, \$1.50 per doz.**

BLEEDING HEART

One of the very popular old fashioned flowers. Bear long graceful chains of pendulous blooms in early Spring. Large roots. **15c. each, \$1.50 per doz.**

CAMPANULA (Canterbury Bell)

Bears most beautiful bell shaped flowers during the Summer. An old fashioned flower but still very popular. **15c. each, \$1.50 per doz.**

CHRYSANTHEMUMS

Very popular for outdoor planting. Very often flower as late as November. Flowers borne in profusion. They are quite hardy in the Northern climate and if protected with a light covering of dried leaves or straw will winter very nicely. We offer them in four colors: White, yellow, pink and bronze. Strong pot grown plants. **15c. each, \$1.50 per doz.**

FUNKIA VARIEGATA

A very popular foliage plant, used extensively for bordering flower beds, their green and yellow foliage making a very fine showing. Of easy culture and perfectly hardy. **15c. each, \$1.50 per doz.**

HELIANTHUS (Hardy Sunflower)

Very effective for borders, among shrubbery, or for clumps in lawns. Very free flowering, succeeding in almost every kind of soil. Make excellent cut flowers. Large roots. **15c. each, \$1.50 per doz.**

HOLLYHOCKS

Very popular for planting in the back of border beds, along fences, around old buildings, etc. Produce large and excellent blooms of different shades. Plant in good soil well drained. We offer them in mixed colors only. Strong roots. **15c. each, \$1.50 per doz.**

LILY OF THE VALLEY

These are among the nicest flowering plants. Produce small bell shaped flowers, which are delightfully fragrant. The foliage is also very pretty. For massing in borders or beds they cannot be surpassed. Strong clumps, **25c. each, \$2.50 per doz.; pips, 30c. per doz., \$2.00 per 100.**

PINKS (Scotch Clove Pinks)

These are an old garden favorite, bearing sweet clove scented flowers in great profusion during May and June. Can be planted in clusters or used for borders. Strong plants, **10c. each, \$1.00 per doz.**

POPPY

Iceland, or Nudicaule. This is one of the prettiest hardy plants in existence, bearing cup shaped flowers in a large variety of colors, from the purest white to the deepest orange. The foliage is fern-like above which rise the flowering stems. Very profuse bloomers. Strong plants, **15c. each, \$1.50 per doz.**

Oriental. This variety of Poppy produces flowers of gorgeous effect. The large brilliant colored flowers make them very conspicuous. Make a fine showing when planted in beds or among other flowering plants. **15c. each, \$1.50 per doz.**

RUDBECKIA (Golden Glow)

A very showy flower, growing on stems about four feet tall. Once established they continue to multiply their roots, making a larger showing each succeeding year. Large clumps, **10c. each, \$1.00 per doz.**

SWEET WILLIAM

Beautiful old fashioned favorite border plants; also effective when planted in clusters. Assorted colors. **10c. each, \$1.00 per doz.**

VIOLETS, DOUBLE RUSSIAN

Fine, large, double, deep purple flowers, of exquisite fragrance; perfectly hardy. **15c. each, \$1.50 per doz.**

WALL FLOWER

This is an old favorite flower, being very popular among the English. Fragrant. Assorted colors. **15c. each, \$1.50 per doz.**

One each of the 15 varieties of Hardy Perennial Plants for \$1.50 by express, not prepaid. Prices quoted for large quantities of 100 plants or more.

POULTRY SUPPLIES AND REQUISITES

We handle only the highest grades of poultry supplies and sell at as low prices as is consistent with quality. In our line of mixed grains, we have exercised great care to handle only the best of its kind, free from mill refuse and siftings. We are glad at all times to submit samples and prices on small or large amounts of our mixed grains. As the market changes on grain are so very frequent, we do not affix prices on 25 lb. lots and over, but will be glad to quote upon application. Prices quoted on all poultry supplies are for goods by express or freight, charges collect, and at purchaser's risk, unless otherwise quoted.

"GLOBE" SCRATCH FOOD

We consider this one of the finest grain mixtures on the market. Compounded from good, sweet and clean grain only; a perfectly balanced ration, suitable for feeding the year round. To poultry raisers who find it pays to feed the best only, we can recommend it highly, as it will produce better laying and healthier fowls. **5 lbs. 20c., 10 lbs. 30c.** Price on larger quantities quoted upon application.



ALFALFA (Mealed)

One of the best substitutes for green food during the Winter. Highly nutritious. **5 lbs. 25c., 10 lbs. 40c.**

BEEF SCRAPS

If fed judiciously, increases egg production. The best substitute for green bone. Can be fed during the Summer months as well as the Winter months. **5 lbs. 25c., 10 lbs. 40c., 25 lbs. 75c., 50 lbs. \$1.50, 100 lbs. \$2.90.**

BONE (Coarse)

Increases egg production besides making flesh; also can be used as grit. **5 lbs. 25c., 10 lbs. 40c., 25 lbs. 75c., 50 lbs. \$1.30, 100 lbs. \$2.50.**

BONE (Fine)

Used in connection with mash food. Makes flesh and bone in young chicks, also helps to increase egg production in large fowls. **5 lbs. 25c., 10 lbs. 40c., 25 lbs. 75c., 50 lbs. \$1.30, 100 lbs. \$2.50.**

CHARCOAL

Coarse or fine. Very beneficial to poultry. Should be in the hopper at all times. **Lb. 10c., 5lbs. 25c., 10 lbs. 40c., 25 lbs. 75c., 100 lbs. \$2.50.**

GRIT

We carry grit in four sizes, Nos. 1, 2, 3 and 4. No. 1 for turkeys and ducks, No. 2 for chickens, No. 3 for pigeons, No. 4 for small chicks. **5 lbs. 10c., 10 lbs. 15c., 25 lbs. 25c., 50 lbs. 40c., 100 lbs. 75c.**

OYSTER SHELL

Our oyster shells are noted for their uniformity and cleanliness. No clam shells in this brand. Strictly oyster shell. **5 lbs. 10c., 10 lbs. 15c., 25 lbs. 25c., 50 lbs. 40c., 100 lbs. 75c.**

HEN-E-TA

This poultry food is one of the best articles to be fed to poultry. Contains about 30 per cent. bone ash, which is one of the best foods for poultry. Will increase egg production considerably. Also a good flesh builder. We carry four sizes, Nos. 1, 2, 3 and 4. **10 lbs. 50c., 25 lbs. \$1.00, 50 lbs. \$1.50, 100 lbs. \$2.25.**



"CRESCENT" CHICK FOOD

A complete grain feed for chicks, which can be fed until about 8 weeks old. Thoroughly balanced, good, sweet, and clean grain. **5 lbs. 20c., 10 lbs. 30c.**

"KING" PIGEON FOOD

A mixed grain ration, especially adapted for squab fattening. This mixture has given much satisfaction among pigeon fanciers, who recommend it highly. **5 lbs. 25c., 10 lbs. 40c.**



"COLONIAL" DEVELOPING FOOD

A mixture of grain a trifle larger than the Crescent Chick Food, to be fed to growing chicks after 8 weeks old. Contains such ingredients as are easily digested and flesh producing. A fine mixture in every particular. **5 lbs. 20c., 10 lbs. 30c.**



"QUEEN" POULTRY MASH

A selected ground feed for fowls of all sizes, especially laying hens. Contains choice ground grains, well balanced. Will help a great deal to produce those eggs you so badly want. **5 lbs. 20c., 10 lbs. 25c.**



POULTRY SUPPLIES AND REQUISITES—Continued

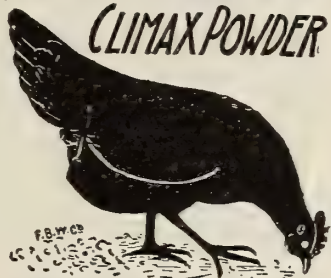
POULTRY REMEDIES, ETC.

RUST'S HAVENS
CLIMAX POWDER

A valuable poultry tonic. Will cure gapes, fowl-cholera, etc. 13-oz. pkg. 25c., 32-oz. pkg. 50c.

RUST'S EGG PRODUCER

Fowls that have stopped laying invariably start laying when this egg-producer is used judiciously. 16-oz. pkg. 25c., 2½ lbs. 50c., 5 lbs. \$1.00.

RUST'S HAVENS
CLIMAX POWDERCURES SICK FOWLS
AND
KEEPS THEM HEALTHY

RUST'S ROUP POWDER

To be used in their drinking water. Also cures canker sores, etc. Large pkg. 25c., postpaid.

RUST'S ROUP
PILLS

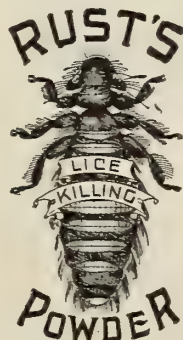
A very good remedy in case of roup. Lots of customers claim them to be superior to the powder. Box of 50 pills 25c., 112 pills 50c., postpaid.

RUST'S LICE-KILLING
POWDER

For dusting fowls and nests. 5-oz. box 10c., 16-oz. box 25c.

RUST'S LIQUID LICE-
KILLER

For spraying the roosts. Qt. 35c., ½ gal. 60c., gal. \$1.00.



MEDICATED NEST EGGS

A very popular article. Expels lice from the nest and in addition proves a good coaxer to hens seeking to lay their eggs. Each 5c., doz. 50c.

SMITH'S INSECTICIDE

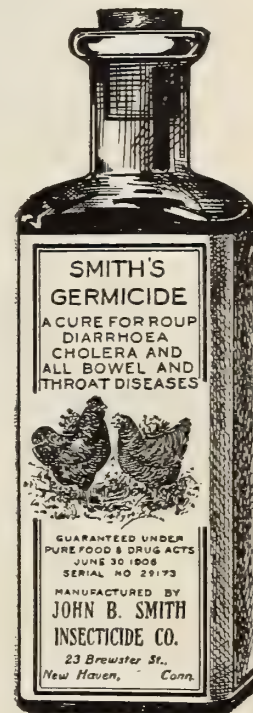
This is a powder, guaranteed to "kill" lice on poultry. Will not injure fowls or interfere with plumage. Is safe to use on young chicks. 10c. and 25c. per pkg.

SMITH'S LIQUID
INSECTICIDE

A very desirable vermin destroyer. To be sprayed on the roosts, etc., of poultry houses. Will keep them clear of lice, and make the houses sanitary. Qt. can 35c., 2 qts. 60c.

SMITH'S GERMICIDE

A very efficient article for throat and bowel troubles in poultry. A guaranteed germ killer. Per bot. 25c.



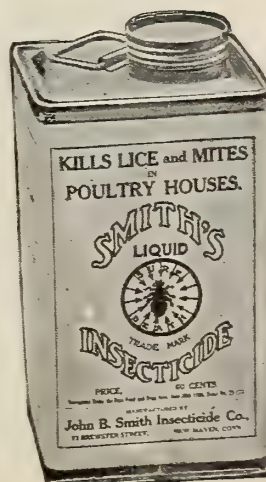
SMITH'S ROUP CURE



The maker claims this to be an exceptional roup preparation. Powder form; used in the drinking water, consequently the fowl takes its own medicine. Per pkg. 25c., by mail, 30c.

SMITH'S HEAD LICE
OINTMENT

For head lice on chicks and scaly legs on fowls. Two sizes, 15c. and 25c.



Important

Please remember, we do not deliver poultry supplies, etc., at prices affixed to the different items offered in this catalogue, except where otherwise quoted. On orders for poultry remedies and the like, which amount to \$10.00 or more, we will prepay freight charges within a radius of 100 miles. This does not apply to grain, grit, oyster shell, etc.

POULTRY SUPPLIES AND REQUISITES—Continued

CONKEY'S LAYING TONIC



Compounded from vegetable extracts, herbs, roots, etc., so proportioned as to act gently on the egg producing organs. This is not a false stimulant, but a corrective which can be relied upon; should never be fed alone, but according to directions, which are on every package. $1\frac{1}{2}$ lb. pkg. 25c., $3\frac{1}{4}$ lb. pkg. 50c.

CONKEY'S POULTRY TONIC

A valuable tonic for run-down fowl, off feed, recovering from disease, or during moulting season. A general invigorator. 25c., or 30c. postpaid.

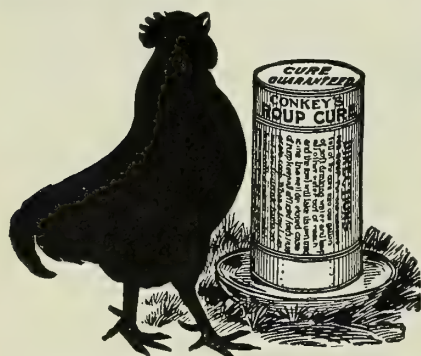
CONKEY'S CHOLERA REMEDY

A very valuable remedy in cases of cholera or other bowel complaints. Easily administered, as the fowl takes its own medicine. Put in the drinking water. 25c. and 50c. postpaid.



CONKEY'S ROUP REMEDY

Probably better known than any other like preparation on the market. A grand preventive of roup, colds, etc. 25c. and 50c., postpaid.



CONKEY'S BRONCHITIS REMEDY

A guaranteed specific for this dangerous ailment. 50c., postpaid.



CONKEY'S CHICKEN POX REMEDY

A reliable remedy for this disgusting and dangerous disease. Used according to directions, it invariably effects a cure. 50c., or 55c. postpaid.



CONKEY'S WHITE DIARRHOEA REMEDY

One of the greatest chick life savers ever put before the public. This disease carries off from 60 to 75 per cent. of the little chicks hatched every year. To insure against this terrible disease, get a package today. 50c., postpaid.



CONKEY'S GAPE REMEDY

A positive cure for this annoying disease. It is guaranteed to do the work and to satisfy you. 50c., or 60c. postpaid.

CONKEY'S SCALY LEG REMEDY

A very valuable remedy for scaly leg. A combination wash and ointment. Guaranteed to cure. 50c., or 55c. postpaid.



CONKEY'S LIMBERNECK REMEDY

Limberneck is a very dangerous disease in poultry, and very often quickly terminates in death. It is very easy to control this disease when Conkey's Limberneck is handy. Get a box today and be prepared for it. 50c., or 55c. postpaid.



CONKEY'S LICE POWDER

One of the best lice killing powders on the market. 15-oz. pkg. 25c., or 40c. postpaid. 48-oz. pkg. 50c. not postpaid.

CONKEY'S LICE LIQUID

Where this is used lice do not hang around. Guaranteed to do the work according to directions. Qt. 35c., $\frac{1}{2}$ gal. 60c., gal. \$1.00.

ROUPENE

The most wonderful Roup cure ever discovered. It will positively cure the most dreaded form of Roup, namely, Diphtheretic Roup. Roupene will be found an infallible preventive and a sure cure for other forms of Roup, Canker, Chicken Pox, Sore Head, Gapes, and other diseases of the respiratory organs in fowls of all breeds. You do not have to isolate the sick fowls from the rest of the flock, as after the sick fowls have been treated, it destroys all danger of contagion. This will save a lot of annoyance and trouble to every poultry breeder. By the use of Roupene it will save your little chicks from that dreaded disease, White Diarrhoea. Full directions on each and every bottle of Roupene. Roupene is guaranteed to do all that is claimed for it and if it does not satisfy, the purchase price of same will be refunded. Since placing Roupene on the market we have not heard from one dissatisfied customer, hearing nothing but praise for this wonderful poultry remedy. 50c., or 60c. postpaid.



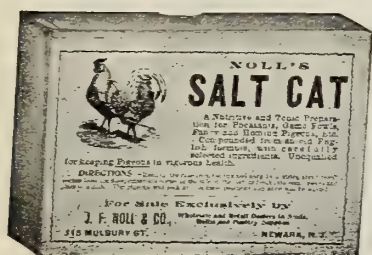
POULTRY SUPPLIES AND REQUISITES—Continued

PRATT'S POULTRY REGULATOR

This regulator is known in almost every country on earth and needs little description. **Pkgs. 10c., 25c., 50c. and \$1.25.**

HOMESTEAD POULTRY SPICE

Compounded from purely vegetable and medicinal ingredients. A very valuable article for keeping chickens, ducks, turkeys and geese in a good, healthy condition. **Pkg. 25c.**



SALT CAT

A tonic preparation for pigeons. Promotes health and egg production in game fowls. Per brick **10c., postpaid, 30c.**

VARIOUS DISINFECTANTS
CONKEY'S NOXICIDE

A soluble disinfectant, deodorant and germ destroyer. Very good. **Pt. 35c., qt. 60c.**

RUSOLINE

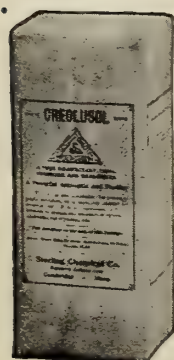
A high grade disinfectant, deodorizer and germ expeller. To be used in water according to directions, which are on each bottle. **Pt. 35c.**

CREOLUSOL

A very powerful antiseptic and purifier. A very good disinfectant for private or public sanitation. For poultry houses, runs, stables, kennels, etc. Invaluable for washing out Incubator Cellars, Incubators, Brooders, Drinking Utensils, etc. **Qt. bot. 50c.**

HYGENO-A

A disinfectant that can be used for general purposes. Very powerful. A good antiseptic. **Pt. 35c., qt. 50c., 1/2 gal. 75c., gal. \$1.75.**

SULPHUR FUMIGATING
CANDLES

Easy to light; safe to use; sure in effect. Put up in seamless tin boxes. If placed in saucer of water, the steam arising from the water, uniting with the fumes, makes the vapor more deadly than ordinary sulphur fumes. **15c. each, by mail, 20c.**

FEEDERS, FOUNTAINS, ETC.
NORWICH AUTO-
MATIC FEEDER

The most economical feeding device on the market. Absolutely rat, bird and weather proof. Also a very good exerciser, which is essential to fowl health. Saves a lot of money, time and labor. Made in four sizes. No. 1, capacity 8 qts., **\$2.50**; No. 2, capacity 14 qts., **\$3.25**; No. 3, capacity 20 qts., **\$4.10**; No. 4, capacity 32 qts., **\$5.00**. Free circular for the asking.



DRY FOOD HOPPERS

Two compartments, one for grain, the other for beef scraps, etc. **75c. each, \$7.50 per doz.**

GRIT AND SHELL HOPPERS

Three compartments, for grit, shell and charcoal. **50c. each, \$5.00 per doz.**

"HUB" FEEDERS

One of the best feeders for little chicks. Impossible for chicks to scratch in the grain. **Small size 35c., large size 50c.**

SQUARE FEED PANS

Galvanized iron, about one inch deep. **Small size 20c., larger size 25c.**

PEERLESS POULTRY FOUNTAINS

One of the most popular fountains on the market. Easily cleaned, very sanitary. Can be hung on the wall or stood on the floor. **Galvanized iron, 1 gal. size 65c. each, \$7.00 per doz.; 2 gal. size 90c. each.**

PEERLESS BROODER FOUNTAIN

Capacity one quart. Little chicks will not drown in this fountain. Ring attached for hanging upon the brooder wall. **35c. each, \$3.75 per doz.**

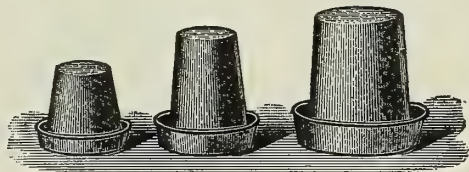
GALVANIZED WALL FOUNTAINS

In great demand. Front and sides are round with flat back. Drinking cup protected by hood. **Gal. size 50c., 2 gal. 75c.**

FEEDERS, FOUNTAINS, ETC.—Continued

GALVANIZED IRON FOUNTAINS

Cone-shaped, tops with saucers. Very convenient. Made of galvanized iron. **Small size 18c., medium 25c., large 35c.**



"SANITARY" STONE FOUNTAINS

Made out of clay. Very sanitary. Most popular for Summer use. **Qt. size 25c., 2 qt. 50c. 8 qt. 75c.**

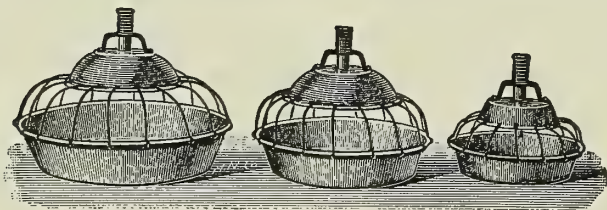
WIRE HENS' NESTS

Made from 2-in. mesh wire, with two-ring attachment for suspending from wall. **15c. each, \$1.50 per doz.**

EARTHEN PIGEON NESTS

Made out of clay. Very heavy, so cannot be easily overturned. Easily cleaned. **10c. each, \$1.00 per doz.**

HALLOCK'S FOOD AND WATER PANS



These pans may be used for food or water. They are easily cleaned. Pressing down the spring on top forces the wire holders from the pan, allowing a thorough cleaning of the pan. **Small size 75c., medium \$1.00, large \$1.25.**

X-RAY EGG TESTER

This is a very handy article for testing eggs before and during the hatch. Made out of tin. **25c. each.**

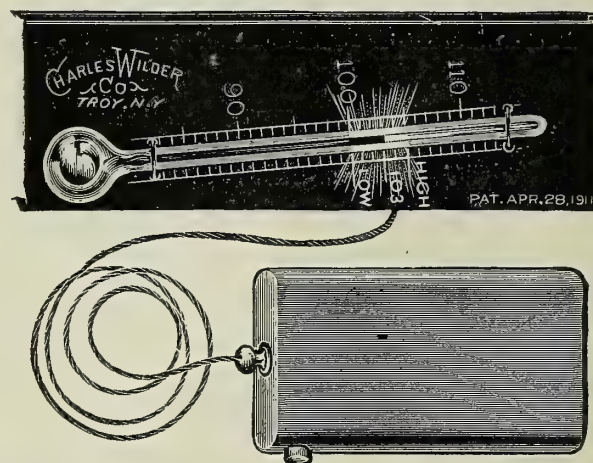
INCUBATOR THERMOMETERS

The pattern we sell is an approved type and will fit any make of incubator. Suspended by wire. **Complete 70c. each, or 80c. postpaid.**

BROODER THERMOMETERS

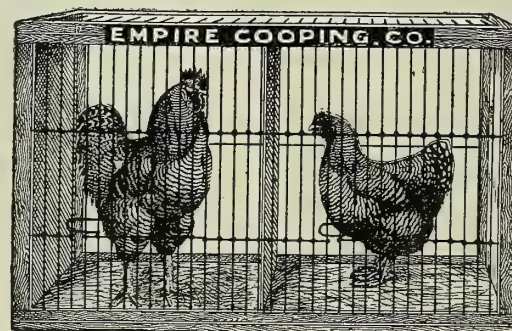
Can be used for brooders or portable hovers. **50c., or 60c. postpaid.**

WILDER ELECTRIC LIGHTED INCUBATOR THERMOMETER



This article will fill a long felt want for those operating an incubator. Heretofore it has been a hardship to read the thermometer in an incubator with any degree of certainty. With a Wilder you may do away with all this annoyance. By simply pressing the button, the glass tube is illuminated from behind, and the mercury column shows distinctly at its exact position on the scale. The battery and lamp are standard size and can be replaced at any electrical supply house. **Complete (see cut) for one incubator, \$2.50.**

Empire Exhibition Coops



SINGLE COMPARTMENT COOP

Length 2 ft., width 2 ft., height 27 in. Wire top, front and back. Solid veneered ends. **\$3.00 each.**

TWO-COMPARTMENT COOP

Length of section 4 ft., size of compartments 22x24x26 in. Wire top, front and back. Solid veneered ends and partition. **\$4.60 each.**

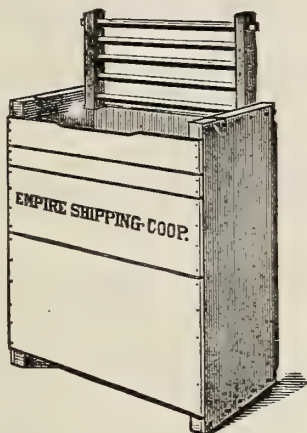
THREE-COMPARTMENT COOP

Length of section 5 ft. 6 in., size of compartments 22x24x26 in. Wire top, front and back. Solid veneered ends and partitions. **\$5.50 each.**

POULTRY SUPPLIES AND REQUISITES—Continued

EMPIRE SHIPPING COOP

One of the best shipping coops on the market. Top ventilation spaced so the birds cannot get their heads through. An important feature of this coop is the top lid or cover, which does not require hammer, saw or nails to coop or uncoop your birds. **Single coop, size 12x22x25 in., 70c. each, knocked down; trio size, 18x22x25 in., 80c. each, knocked down; pen size, 22x22x25 in., 90c. each, knocked down.**



COLLAPSIBLE SHIPPING CRATE

This is one of the latest devices added to the poultry supply list of necessities and is bound to become a staple article. Can be completely knocked down, three of these crates occupying but little more room than one of the old style crates. The return charges are also less, which is an important item to poultry shippers. Thoroughly built of wood, iron and steel wire; easy to handle and affording protection to poultry. **\$2.50 each.**

"IDEAL" FOLDING EGG-SHIPPING BOX

Expressly designed to meet the demands of egg shippers. Simple, compact and durable, requiring no nails or hammer. It is quick to open and fold, nothing to break or become lost. In short, the best egg shipping box on the market. **\$2.25 each.**

CARD-BOARD EGG BOXES OR CARRIERS

Made out of good quality card-board with a filler for every box. These boxes are one dozen capacity and are strong and durable. Used extensively by large egg distributors as well as small. We sell thousands of these boxes annually. **15c. per doz., 75c. per 100, \$7.00 per 1000.**

POULTRY NETTING OR WIRE

We handle this in large quantities. One and two inch mesh, No. 20 wire, galvanized. Sizes in two inch mesh, 12 to 72 inches; one inch mesh, 12 to 36 inches. Prices quoted upon application.

Please Bear in Mind

On orders for Poultry Supplies amounting to \$10.00 or over we will pay freight charges within a radius of 100 miles from Newark. This does not apply to grain or feed of any kind.

HUDSON ELASTIC ROOFING

This roofing is made of an excellent grade of material. It will outlast tin or shingles. If painted occasionally will give good service indefinitely. Put up in rolls, 36 in. wide containing 108 sq. ft. with complete rust-proof fixtures and directions for applying. **Per square of 108 sq. ft. ½ ply, \$1.75; 1 ply, \$2.25.**

HUDSON BLACK WATERPROOF LINING PAPER

This is an excellent low cost waterproof paper for lining poultry houses, under stucco, metal, slate or tile roofing. Very tough and strong; is waterproof clear through, being both saturated and coated with a mineral compound that will not dry out. Put up in rolls, 36 in. wide containing 500 sq. ft. **\$1.50.**

BIRD SEEDS

All our bird seed is recleaned at our warehouses and customers will find them clean, sweet and up to the mark in every respect.

CANARY. (Pure.) Lb. 10c., 5 lbs. 40c., 10 lbs. 75c., 25 lbs. \$1.75., 50 lbs. \$3.25, 100 lbs. \$6.00.

HEMP. Lb. 10c., 5 lbs. 40c., 10 lbs. 75c., 25 lbs. \$1.75., 50 lbs. \$3.25, 100 lbs. \$6.00.

MILLET. Lb. 10c., 5 lbs. 35c., 10 lbs. 65c., 25 lbs. \$1.40, 50 lbs. \$2.75, 100 lbs. \$5.00.

MIXED BIRD SEED. This mixture combines only recleaned seeds and is put up by ourselves. Lb. 10c., 5 lbs. 40c., 10 lbs. 75c., 25 lbs. \$1.75, 50 lbs. \$3.25, 100 lbs. \$6.00.

RAPE. Lb. 10c., 5 lbs. 40c., 10 lbs. 75c., 25 lbs. \$1.75, 50 lbs. \$3.25, 100 lbs. \$6.00.

SUNFLOWER. (Large Russian.) Lb. 10c., 5 lbs. 40c., 10 lbs. 75c., 25 lbs. \$1.75, 50 lbs. \$3.25, 100 lbs. \$6.00.

FLAX SEED. (Whole.) Lb. 10c., 3 lbs. 25c.

FLAX SEED. (Ground.) Same price as whole flax.

BIRD MANNA. Per Pkg. 15c., postpaid, 17c.

CUTTLE FISH BONE. 5c. each, postpaid.

MAW. Lb. 20c., or 28c. postpaid.

SPRATT'S DOG CAKES. Per lb. 7c., 3 lbs. 20c., 100 lbs. \$6.00.

SPRATT'S PUPPY CAKES. Per lb. 10c., 3 lbs. 25c., 100 lbs. \$6.50.

MALTOID. Bone-shaped dog cakes. Per lb. 10c., 3 lbs. 25c., 100 lbs. \$6.25.

MALTOID. Bone-shaped puppy cakes. Per lb. 10c., 3 lbs. 25c., 100 lbs. \$6.75.

Economy is wealth. Save time, money and labor. Get a Norwich Automatic Feeder. See page 95.

The Famous "Essex-Model" Incubators

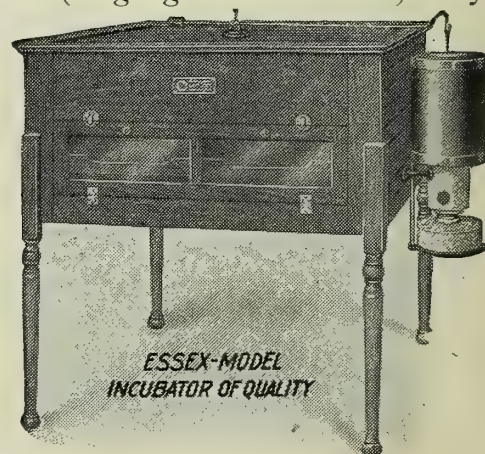
AMERICA'S LARGEST LINE OF INCUBATORS

"Standard," "Middle-Price" and "New Homestead"
The "Incubators of Quality"

THREE STYLES TEN SIZES

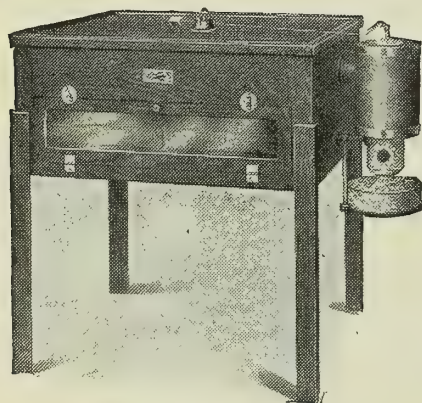
THE ESSEX-MODEL "STANDARD" THE ONLY HARDWOOD INCUBATOR

These "Standard" machines are known as the "World's best Hatchers." In addition to being the only Incubators built of Hardwood (High-grade Chestnut) they possess double walls and tops, thoroughly insulated and packed; doors of double glass; metal heaters with heavy asbestos jacketed; new 1912 self-adjusting lamp supports; and are equipped with the **ESSEX-CORRUGATED THERMOSTAT** (Patented), the most sensitive and quickest acting Heat Regulator made. In addition to their superiority they hold more eggs than any other high-grade incubator machine at the price. They are the **Highest-grade Incubators manufactured anywhere at the price.** They combine in the highest degree **Strength, Durability, Finish and Hatchability.** (If you would like more information please write for their Big Annual Catalogue.)



Standard Incubator

THE ESSEX-MODEL "MIDDLE-PRICE" MISSION-FINISH. LATEST STYLE MADE



Middle-Price Incubator

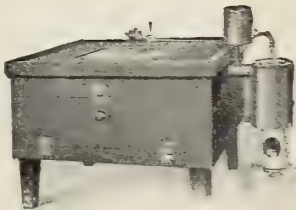
This new 1912 style Mission-finish "Middle-Price" Incubator is without doubt the greatest value in Incubator that is offered this year with the single exception of our World-Famous "Standard." These "Middle-Price" machines are built especially for those earnest poultry-keepers who want nothing but a Reliable Hatcher, but who prefer not to invest the amount required by the purchase of the more highly finished "Standard" machine. They possess the latest style Mission-finish—popular everywhere. They are low in price, high in quality, most attractive in appearance. **There is nothing like them anywhere—at any price.** They possess double insulated packed walls and top, and are equipped with heater, thermostat and lamp support similar to those used in the "Standard" machines. They are the best on earth for the money, and are guaranteed. Compare

the prices with those asked for any other make of high-grade machine holding as many eggs, and you will find that the "Middle-Price" costs less by about one-half—and it does better work. In other words, they are **Worth-More, but Cost Less.**

INCUBATORS—Continued

THE ESSEX-MODEL "NEW HOMESTEAD" THE BEST OF LOW-PRICED MACHINES

The "NEW HOMESTEAD" HATCHER for the first time places before breeders an opportunity to secure a high-class, hot-water Incubator at a price that during the past years has been asked for cheaply-constructed, make-to-sell machines. Constructed of first-class lumber, having a splendid, attractive rosewood finish, a heating equipment composed wholly of copper, and an egg capacity equal to much higher-priced machines, the "NEW HOMESTEAD" HATCHER HAS AT ONCE JUMPED INTO THE FRONT RANK as the most popular hot-water machine ever offered. Manufactured by a company that has always given the breeder more than value asked, made on a principle that insures its hatching quality, and backed by a guarantee of satisfaction to the buyer, poultry raisers will absolutely take no chances in any respect when they select this wonderful little machine. It excels all other similar hot-water machines in Appearance, Durability, Quality of Heating Equipment, and Method of Construction, and at the same time, by virtue of the large number manufactured, it has been placed upon the market at a price far lower than any other machine of its capacity and class. To buy one, and to run it through a hatch, is proof to the manufacturer that you will recommend it to your friends.



"New Homestead" Hatcher

A new feature in this machine—one that is not possessed by any other—is the double glass in the top through which the eggs and chicks may be seen in course of incubation. The thermometer is also in full sight, and a greater number of eggs are visible than in any other machine of this size.

PRICES OF ESSEX-MODEL INCUBATORS

Standard No. 0.	Essex-Model, 100 Eggs.....	Price, \$17.00
Standard No. 1.	Essex-Model, 175 Eggs.....	Price, \$23.00
Standard No. 2.	Essex-Model, 275 Eggs.....	Price, \$32.00
Standard No. 3.	Essex-Model, 410 Eggs.....	Price, \$37.00
Standard No. 4.	Essex-Model, 324 Duck Eggs....	Price, \$43.00
<hr/>		
Middle-Price No. A.	Essex-Model, 70 Eggs.....	Price, \$9.50
Middle-Price No. B.	Essex-Model, 120 Eggs.....	Price, \$12.50
Middle-Price No. C.	Essex-Model, 200 Eggs.....	Price, \$18.50
<hr/>		
"New Homestead"	Essex-Model, 70 Eggs.....	Price. \$7.50

THE HEART OF THE INCUBATOR IS THE THERMOSTAT

As the heart-beat governs the circulation of blood in our bodies, so does the thermostat movement govern the temperature in an incubator. It needs no argument to prove that if the heat fluctuates too much the hatch will be poor. The heat entering the incubator is supposed to affect the thermostat and cause it to open or shut the damper and so govern the temperature.

The Essex Corrugated Thermostat (patented) does this. It is acknowledged to be the best, the most sensitive thermostat made. It responds immediately to change of temperature. The form of its construction immediately appeals to the mechanic and convinces him of its superiority without argument. The praise from customers will be evidence to everybody that this thermostat is perfect and that *it does the work it is intended to do quickly and surely, regardless of the outside temperature. It is unnecessary to say that the thermostat is a most important consideration when buying an incubator.*

ESSEX-MODEL SUPERIOR BROODERS

A line of Brooders unequalled for their combination of Light, Heat, Ventilation and Floor Space. The Brooders that raise the most strong, healthy Chicks

SEVEN STYLES AND SIZES

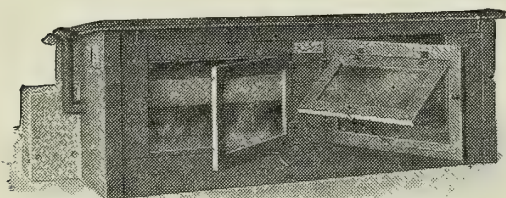
These Brooders are known wherever poultry is raised, because they afford chicks natural conditions. They give ventilation without draughts; heat without oil fumes; and a larger amount of floor space for the price than any other High Grade Brooder. Built on the Essex-Model principle that "You should see every chick every day."

ESSEX-MODELS A AND B OUTDOOR BROODERS

Model A Brooder: Price \$11.50, contains two apartments (Hover and exercising room). It is $47\frac{1}{2} \times 28\frac{1}{4}$ inches in size. It has a supplementary diaphragm or cover for use as an **Indoor Brooder**. Capacity 75 to 100 Chicks.

Model B Brooder:—Price \$14.00. It has three apartments (two similar to the Model A and an additional exercising apartment separated by a wooden partition). It is $58\frac{1}{4} \times 34\frac{1}{2}$ inches in size. Capacity 100 to 125 chicks.

Both these Brooders have a triple roof—including enameled iron and are practically indestructible.

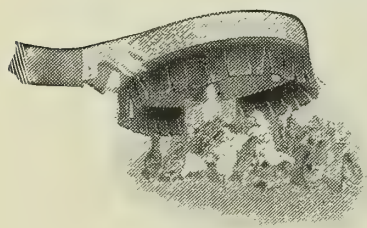


Model C Brooder

This Brooder is $72 \times 34\frac{1}{2}$ inches. Capacity 150 chicks. No other make of brooder at any price compares with the Essex Model C Outdoor Brooder and Colony Coop. Price \$17.00.

ESSEX-MODEL PORTABLE HOVER

This Hover is similar to that used in the Colony C Brooder, and presents the latest principle of heating and ventilation. For attaching this Hover to a colony house, piano box, or an old brooder you wish to build over, or for use in a brooder house, the Essex-Model Portable Hover will be found most satisfactory. By its use you will be able to raise strong, healthy chicks with less amount of labor than by any other Hover. The capacity is 150 chicks. Price \$7.50.

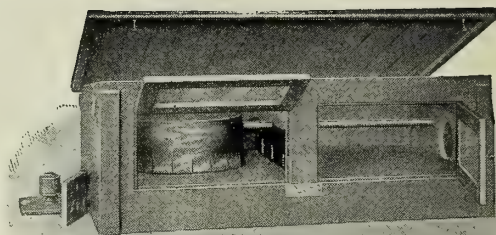


Chick Comfort Hover

ESSEX-MODEL COMBINATION CHICK COMFORT HOVER

This is the only combination hot air and fireless hover on the market. It is intended primarily as a hot air hover, but can be used as a fireless hover by simply removing the lamp. Constructed wholly of galvanized iron, it is liceproof and fireproof. It can be used anywhere at any time, and is portable-removable. Gives more hover space by 25 per cent. than the majority of chick hovers. Has perfect ventilation which works automatically at all times.

PRICE OF ESSEX-MODEL COMBINATION CHICK COMFORT HOVER, Capacity 150 to 200 chicks, \$6.50.



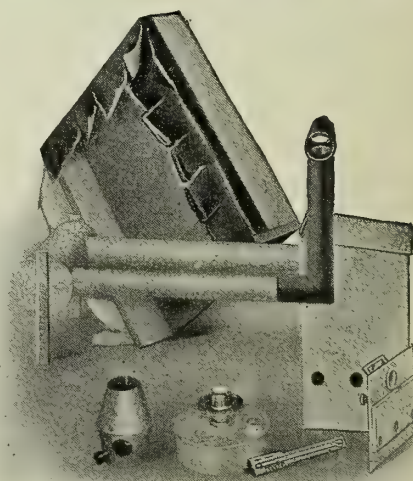
Models A and B Brooders

ESSEX-MODEL COLONY BROODER, STYLE C

place it further ahead in the lead than ever.

This Brooder has three apartments; the hover and nursery and exercising room. The nursery apartment is double walled and insulated, making a triple walled Brooder with five thicknesses of roof. The hover is the full length of the apartment.

This is without doubt the best brooder on the market, and the most popular. This was the original Colony Brooder of America and the 1912 improvements



Portable Hover

THE BANTA INCUBATORS AND BROODERS

THE BANTA INCUBATOR

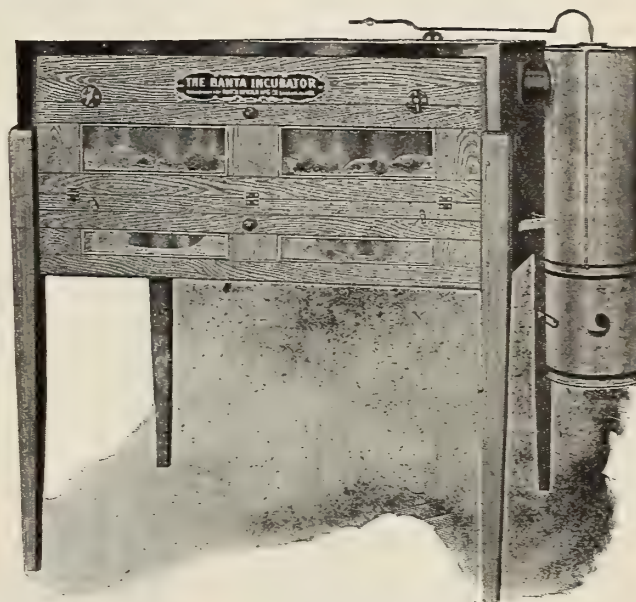
Banta Incubator Facts

The Banta has a heater that can be taken apart and cleaned. It is the best insulated and best made of any heater ever put on an incubator and is the only one that has the cleanable feature. The cloth diaphragms are all removable for cleaning and are stretched on mortised and tenoned frames. The regulator is a patented double 4-inch wafer with pull down lever and adjusting screw, hung on one bearing only. They have a large nursery under the egg trays, with glass doors and chick drawers so that chicks can be taken from the machine without in any way interfering with other eggs that are hatching. No difference what the size, all have the same improvements and are exactly alike in every particular, excepting size. The egg trays are made with good, solid frames, the bottoms covered with wire cloth. An extra tray comes with each machine for turning the eggs.

The Banta is thoroughly insulated; the walls have five thicknesses of lumber and insulating boards with dead air space. The top has thirteen thicknesses of packings and lumber. Not the slightest amount of heat escapes through the walls or tops of the machine.

The heating system of the Banta Hot Air Machine is a combination of the two principles of heating—the radiation of warm air and the diffusion of warm air. The doors on the Banta will always shut airtight, as they are arranged so they wedge airtight against a jamb completely around the door whenever they are closed. The regulator is automatic. The ventilation is automatic and no moisture need be added, except in exceedingly dry places.

In short, Banta Incubators are simple in operation and sure in results.



Prices of Banta Hot Air Machines

No. 75.....	75	Egg Capacity.....	\$12.50
No. 100.....	100	" "	15.50
No. 150.....	150	" "	21.00
No. 260.....	260	" "	30.00

BANTA NEW MODEL BROODER

No. 5

This brooder while an indoor brooder can be used outdoors also, if it is placed under a shelter. It has a brooding floor, brooder chamber and hover. Has a glass in the top so the chickens can be seen from the top without opening. This brooder is well made of the best materials and will please every purchaser. Complete, ready for operating. Capacity, 200 chicks. Price, \$9.00.

BANTA OUTDOOR BROODERS

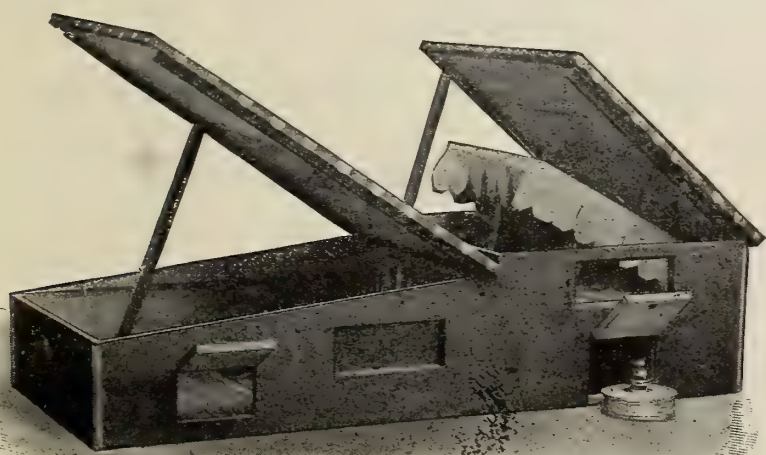
These Brooders are built on up-to-date plans. The cut of this brooder will show you how they can be opened for airing and cleaning purposes. Accessible from all points. The heater is under the floor, thereby allowing more space in the compartments, of which there are three. Heated by a perfectly safe Brooder Lamp. The roof is protected by a very good quality of tin. Galvanized iron feed trough, drinking fountain, thermometer, hover and every attachment necessary come with each Brooder.

These Brooders are designed for service and are as good and practical as the manufacturers know how to build them. They have been building them for 17 years. We offer them in two sizes.

No. 6.	Capacity 100 chicks.....	\$11.00
No. 7.	" 200 "	\$13.00

BANTA COLONY HOUSE

This Banta Colony House is designed to meet the wants of the practical poultrymen. They are built in sections and put together with screws. They can be easily taken down and stored for the Winter. They are sided with good quality of popular siding, shiplap, with a good 1-inch floor, and roof covered with the best quality of roofing felt. They are well made throughout and are storm-proof, rat-proof and easy to keep clean. We build these houses with large door and roosts arranged inside. They are well painted with two coats of the best quality of outside paint. If you want a colony house or poultry house, try the Banta.



SPRAYERS, ETC.

IRON AGE BUCKET PUMP SPRAYER

No. 192

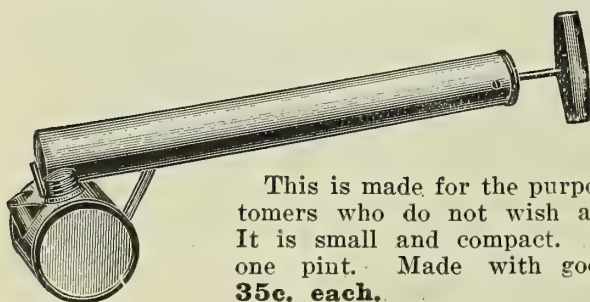
For home, trees, bushes, etc., and for white-washing, washing windows and other odd jobs where a small hand pump can be used economically but with good results. You can easily maintain a pressure of 100 lbs. when spraying. This pump can be used in any kind of solution and whether hot or cold. All parts which come in contact with the solution are brass, and cannot be injured by corrosion. No leather valves, which would be affected by hot solutions or strong mixtures, but candle-wick packing, which is easily and cheaply replaced when necessary—simply unscrew the stuffing box nut, lift the gland and put in the new packing—then when you screw the nut down on the top of the gland, you have the same even pressure all around. This is practically the same way in all Iron Age pumps, which have been so successful, so this is not an experiment in any sense, but an application of an old principle. It is not necessary as in other bucket pumps to remove the plunger in order to repack.

Bronze ball valves are used—to remove them, simply insert any flat piece in the slot in the suction cap (lower valve seat) and unscrew from pump base; then the upper valve seat is exposed and it is removed in the same way. Here, again, we have the better of the other pumps of the same style; they must entirely remove the air chamber tube and plunger cylinder to get at the valves; it is difficult for the ordinary man to replace them without having leaks. In the Iron Age there is no danger of such leakage.

No trouble or expense has been spared to make this pump the best on the market. High-grade material and most careful workmanship give every purchaser his full money's worth. Brass and malleable iron construction throughout.

Furnished with improved Vermorel nozzle and best quality half-inch hose, also one extra cap for washing wagon, windows, etc. **\$6.00 each.**

LOWELL No. 118 SPRAYER

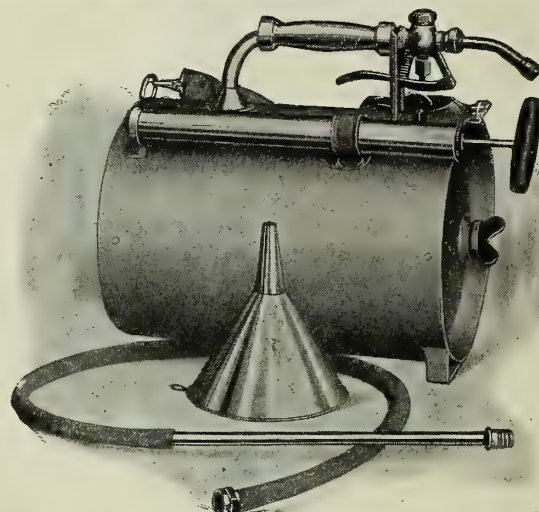


This is made for the purpose of those customers who do not wish a large sprayer. It is small and compact. Capacity about one pint. Made with good quality tin. **35c. each.**

THE LOWELL COMPRESSED AIR SPRAYER

This Sprayer is well adapted for the fruit grower, stockman, poultryman, florist, etc. The air compressor or pump has a brass cylinder $1\frac{5}{8}$ in. in diameter, which is placed outside of the pump and is detachable. It screws into a cast brass seat which contains a $\frac{1}{2}$ -in. ball check-valve, also detachable.

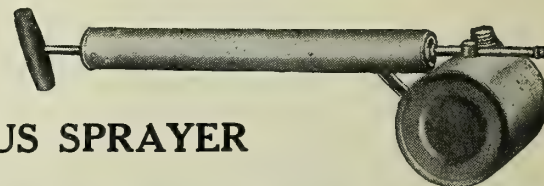
It is the strongest small tank sprayer ever made, being constructed of heavy sheet brass or galvanized steel. No other Sprayer will stand half the pressure. Every Sprayer when com-



pletely assembled is tested by air to 60 lbs to the square inch, while the pressure in service never exceeds 35 lbs.; therefore, no safety valve or indicator is needed with the Lowell.

The heads are convex and are formed on a true circle so that the air resistance is the same at all points. It is impossible to blow them out. These Sprayers are made in one size only. Complete, ready for use. **Brass \$6.50 each, galvanized steel \$5.00 each.**

LOWELL

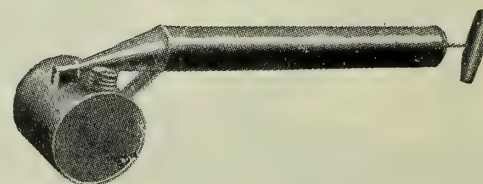


CONTINUOUS SPRAYER

As the name implies, is so constructed that it not only sprays on the downward stroke of the plunger, but also when it is drawn back, thus causing a continuous mist-like spray.

Solution tank is made from heavy IX tin and is so constructed that the Sprayer will not tip over when filling. Capacity one quart. **75c. each.**

THE LOWELL SPECIAL SPRAYER



Is a single tube tin sprayer. The pump cylinder measures $1\frac{1}{2}$ in. in length by $1\frac{3}{4}$ in. in diameter. The special arrangement of the spraying tube is such that thoroughly breaks up or atomizes all oils and solutions into a fine mist-like spray, which penetrates all cracks and crevices. This sprayer is adapted for all kinds of general spraying and is used very extensively for spraying disinfectants, etc. **50c. each.**

TOOLS AND IMPLEMENTS

For the Lawn, Garden, Farm, Etc.

ASPARAGUS BUNCHERS.	Each
Standard Pattern. Self locking catch, easily released.	\$2.25
ASPARAGUS KNIVES.	
French Pattern. Notched cutting edge.....	.35
American Pattern. Straight cutting edge.....	.35
CORN HOOKS.	
Plain Edge .....	.25
Serrated Edge .....	.35
CORN KNIVES.	
Eureka. Strong and durable.....	.50
DIBBLES.	
Wood Handle. Brass point .....	.75
Wood Handle. Iron point .....	.40
FORKS.	
Long Handle. Light weight, 4 tine manure.....	.75
Long Handle. 2 tine, grain .....	.75
Long Handle. 3 tine, hay .....	.85
Short Handle, D. Heavy weight, 4 tine, manure...	1.10
Short Handle, D. Heavy weight, 5 tine, manure...	1.35
Short Handle, D. Heavy weight, 4 tine, spading..	1.10
Short Handle, D. Heavy weight, 5 tine, spading..	1.35
FRUIT PICKERS.	
Wire. Galvanized .....	.35
GARDEN LINES.	
Extra Strong. Braided, coils of 50 feet.....	.50
GARDEN LINE REELS.	
Large Size. Extra strong .....	.85
Columbia. New	1.00
GLAZING POINTS.	
Van Reyper's Perfection No. 2.....Per 1000	.65
GRASS HOOKS.	
American Style. Blades can be taken off for grinding	.25
English. Riveted back .....	.35
"Little Giant." Blade tempered steel.....	.50
HOSE, RUBBER.	
Planter's High Grade. 5 ply, 50 ft. lengths, coupled	
at both ends	7.50
Electric. Corrugated surface, quality of the best. Per ft.	.20
HOSE CLAMPS.	
Galvanized. Adjustable	Doz. 50c. .05
HOSE COUPLINGS.	
Brass. For $\frac{3}{4}$ in. hose.....	Doz. \$1.50 .15
HOSE MENDERS.	
Cooper's Patent. $\frac{3}{4}$ in.	Doz. 1.00 .10
Cooper's Patent. 1 in.	Doz. 1.50 .15
HOSE NOZZLES.	
"The Gem." Graduating, spray or solid stream.....	.50
Solid Stream. With stop cock.....	.50
HOSE WASHERS.	
Rubber. $\frac{3}{4}$ in.	Per box of 12 .10
HOSE REELS.	
All Iron	2.75
HOES, DRAW, or FIELD.	
Standard Pattern. 4 in. 40c., 5 in. 40c., 6 in. 50c.,	
7 in. 50c.; 8 in. ....	.50
Warren Heart Shaped. 6 in. 65c., 7 in. ....	.75
Culto Hoe. 2 prong 50c., 3 prong.....	.65
Celery. Triangle shaped, short handle.....	.30
English Push, or Scuffle. 4 in. 40c., 5 in. 50c., 6 in.	
60c., 7 in. 70c., 8 in. 80c., 9 in. 90c., 10 in. \$1.00, 12	
in. \$1.20. Not handled.	
Handles to fit same, 6 ft. long.....	.30

HOTBED MATS.

Size 76x76 inches. Burlap on both sides. Doz., \$15.00; each, \$1.50.

LABELS, WOOD, Unpainted.

Pot. 4 in., per 1000, 60c.; 5 in. 80c.; 6 in. \$1.00; any of these sizes per 100, 10c.

Garden. 8 in., per 100, 40c.; 10 in. per 100, 60c.; 12 in. per 100, 75c.

Tree. Copper wired, per 100, 20c.; per 1000, \$1.50.

LAWN EDGER.

Planet Jr. One of the finest tools originated for trimming lawn edges. Very handy. Each \$6.25.

LAWN MOWERS

"Pennsylvania Quality"

GLADIATOR (Ball Bearing)

This is one of the best mowers on the market, at the price asked for same. Made out of first class material in every respect. Has hardened bearings of the best quality. Nicely finished, strong and durable.

14 in., 4 bladed cylinder.....\$4.50

16 in., 4 bladed cylinder..... 4.75

18 in., 4 bladed cylinder..... 5.00

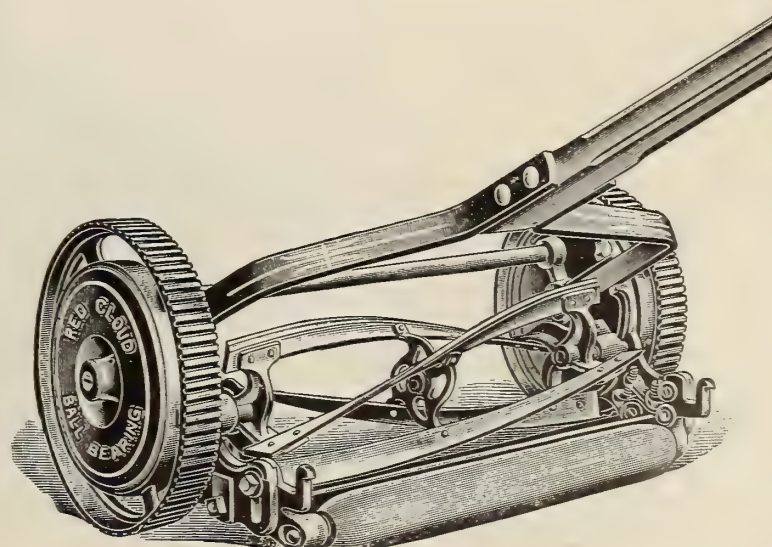
RED CLOUD (Ball Bearing)

For a popular price mower this cannot be beat. First class in every respect, material, workmanship, finish, durability, etc. Knives are made out of crucible steel, oil tempered and hardened.

14 in., 4 bladed cylinder.....\$5.75

16 in., 4 bladed cylinder..... 6.25

18 in., 4 bladed cylinder..... 6.75



TOOLS AND IMPLEMENTS—Continued

"PENNSYLVANIA" QUALITY MOWERS

**WILL RUN
10 YEARS
WITHOUT RE-SHARPENING**

THE KEYSTONE BALL BEARING LAWN MOWER

This mower will last indefinitely, as the materials used in the making of it are the best money can buy. The revolving blades are made out of old-fashioned crucible steel; the same kind that is used for drills, drawing knives, hatchets and other tools requiring a keen edge and are oil-tempered. It is absolutely self-sharpening and actual tests have shown that in ordinary use the Keystone mower has run ten or a dozen years without going to the shop for resharpening. For ease of operation and long life, Keystone Mowers have no equal. They are adjusted with the accuracy of a bicycle, making them the easiest running of all mowers.

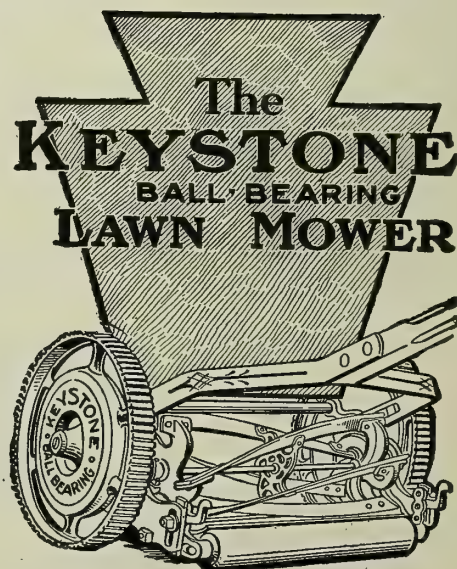
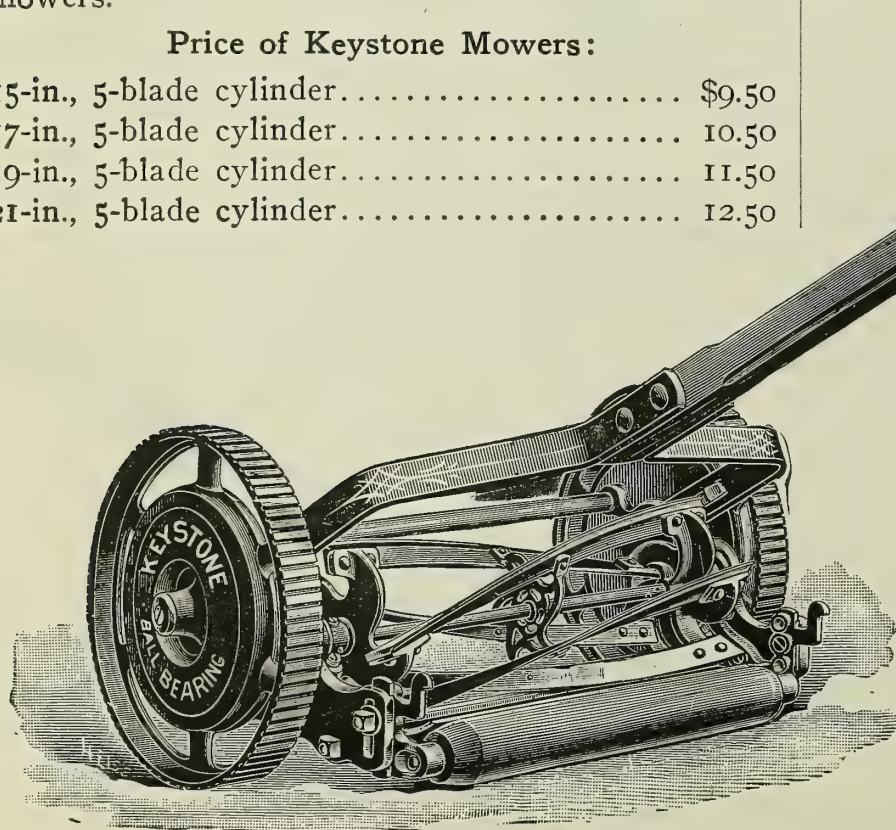
Price of Keystone Mowers:

15-in., 5-blade cylinder.....	\$9.50
17-in., 5-blade cylinder.....	10.50
19-in., 5-blade cylinder.....	11.50
21-in., 5-blade cylinder.....	12.50

PENNSYLVANIA TRIMMER BALL BEARING



For trimming the edges of lawns, around flower beds, walks, drives, etc., the Pennsylvania trimmer has no equal. Made out of the best material obtainable. The blades are produced out of Pennsylvania quality old-fashioned crucible steel, oil-tempered. This trimmer will cut within $\frac{1}{4}$ in. of side obstruction. The blades are 6 in. wide. This trimmer is thoroughly balanced, strong and durable. Price, complete, \$5.



Is Built for Service

TOOLS AND IMPLEMENTS—Continued

LAWN ROLLERS.

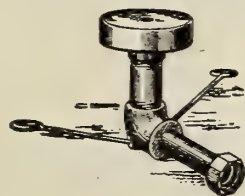
Keystone. One of the best rollers made. We carry the following sizes in stock. Each

No. 301, weight 150 lbs.....	\$7.60
No. 304, weight 250 lbs.....	12.40
No. 307, weight 300 lbs.....	14.80

Dunham. Water or sand ballast. Can be made any desired weight up to 750 lbs..... 13.60

No. 407, weight 300 lbs., ball-bearing.....	14.75
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LAWN SPRINKLERS.



"Shower" Sprayers. The best lawn sprayer on the market. No. 3 (see cut)... 2.00

Water Witch. On base..... 1.00

Three-Armed. 12 in. high.. 1.25

MOLE TRAPS.

Reddicks. The best trap on the market. Easily set, sure catch 1.00

PICKS.

Railroad style, plain, 75c., handled..... 1.00

POTATO HOOKS.

Long Handle. 4 prong, flat tine..... .50

PLANT STAKES.

Hard Wood. Painted green, tops white.

	Each	Doz.		Each	Doz.
2 ft.	\$0.05	\$0.50	3 ft.	\$0.07	\$0.75
4 ft. ....	.08	.90	5 ft. ....	.10	1.10
6 ft. ....	.12	1.30			

PLANT SUPPORTS.

Igoe Bros. Wire Per doz. 1.50

PRUNERS.

Water's Patent Tree. 6 ft. 60c., 8 ft. 80c., 10 ft. \$1.00, 12 ft. 1.20

RAFFIA.

Natural Colored. For tying. Per lb. 20c., per 100 lbs. 15.00

RAKES.

Steel Garden. 12 teeth 50c., 14 teeth 55c., 16 teeth 65c., 18 teeth75

Wire Lawn. 20 teeth..... .50

Wood, Auto or Self Cleaning..... .75

Wood, Hay. 10 teeth35

Wood, Garden. 12 teeth40

Wood, Lawn. 24 teeth50

RUBBER PLANT SPRINKLERS.

Straight Neck. 8 oz.90

Curved Neck. 10 oz. 1.00

SAWS, PRUNNING.

Double Edge. 20 in. blade..... 1.00

Single Edge. 20 in. blade75

Single Edge. Bow shaped..... .75

Little Giant. With pruner, plain..... 1.75

SCYTHES.

American Style. Tempered steel 1.00

English Style. Riveted back 1.25

Bush, Little Giant75

SCYTHE STONES.

Talacre15

Pressed Emery10

SCYTHE SNATHS.

Patent Key Arrangement..... Each \$0.75

SHEARS.

Border. Without wheel, 8 in., \$2.00; 9 in., \$2.35; 10 in. 2.75

Border. With wheel, 8 in., \$2.35; 9 in. \$2.75, 10 in. 3.00

Hedge. 8 in. \$1.15, 9 in. \$1.40, 10 in. 1.65

Lawn. Without wheel, 8 in., \$2.00; 10 in..... 2.50

Lawn. With wheel, 8 in., \$2.50; 10 in..... 3.00

Lopping. Rhodes patent 3.50

Lopping. Ordinary60

Pruning. Solid steel throughout 1.25

Sheep or Grass. Best, solid steel, polished75

Sheep or Grass. Ordinary50

SHOVELS.

Long Handle. Steel pointed75

Short Handle D. Steel pointed..... .75

Short Handle D. Steel square..... 75c., \$1.00 and 1.10

SOD, OR TURF EDGERS.

Gladiator.85

Half Moon.50

SPADES.

Long Handle. Steel.75

Short Handle D. Steel. 75c. and 1.00

Short Handle D. Steel socket 1.35

THERMOMETERS.

Hot Bed. 1.75

TUBS. Wood Plant, New York Style.

	Top Diameter	Bottom Diameter	Depth Finished	Each
No. 1	12 in.	9¾ in.	10⅝ in.....	\$1.15
No. 2	13 in.	10¾ in.	12¾ in.....	1.50
No. 3	14½ in.	14¾ in.	14¾ in.....	1.85
No. 3½	16½ in.	15¾ in.	15¾ in.....	2.45
No. 4	19 7-16 in.	16⅝ in.	16⅝ in.....	2.65
No. 5	22 7-16 in.	18½ in.	18½ in.....	3.45

TREE SCRAPERS.

Triangle Shaped. Short handle50

TROWELS. Solid Steel.

English Pattern. Solid shank40

English Pattern. Concave shank25

English Pattern. Concave shank15

Transplanting. Concave shank15

Transplanting. Riveted shank10

Ordinary Trowel. Concave shank10

WATERING POTS.

Galvanized iron, strong and durable. 8 qt. 55c., 16 qt. .85

WEEDERS.

Eureka. 3 sprong, steel, short handle25

Eureka. 3 prong, steel, long handle35

Excelsior. 5 prong, iron, short handle..... .10

Hazeltine. Steel blade, short handle25

Lightning. Made out of steel wire, adjustable; one of the best weeders on the market.

Long handle style50

Short handle style25

Mahler's Handy Gardener. New..... .75

WEED CUTTER, or Thistle Digger..... .50

INSECTICIDES AND FUNGICIDES

APHINE. This is a powerful insecticide but does not affect the most tender plants, fruits or vegetables. It is a combination of ethereal oils and nicotine in soluble form, which is easily diluted with water. It is applied as a spray or wash. It will exterminate green and black fly, thrip, slugs, mealy bug, red spider, ants, etc. $\frac{1}{2}$ pt. 40c., pt. 65c., qt. \$1.00.

APHIS PUNK. This is a tobacco paper saturated with nicotine and is used for fumigating greenhouses and conservatories. Box of 12 sheets, 60c.

ARSENATE OF LEAD. (Paste form.) A very efficient insecticide, rapidly displacing Paris Green. Can be used with safety, as it does not harm plants with the most tender foliage. Adheres to the foliage quite some time, which eliminates spraying so frequently. 1-lb. jar 25c., 5-lb. pail \$1.00, 10 lbs. \$1.80.

BORDEAUX MIXTURE. (Paste form.) This is a very good preventive for blight and mildew; also blackrot, scab, and other fungoid diseases. Pt. cans 25c., qts. 40c., gal. \$1.00.

FIR TREE OIL SOAP. A popular insecticide for house and conservatory plants. Put up in soap form, which is easily dissolved in hot water. Apply when solution has become cool. $\frac{1}{2}$ -lb cake 25c., 2-lb. cake 75c.

HELLEBORE. This is a very popular insecticide for killing currant worms, rose slugs, etc. It is safer to use than Paris Green, especially when fruit is nearly ripened. $\frac{1}{4}$ lb. 10c., $\frac{1}{2}$ lb. 15c., lb. 25c.

KEROSENE EMULSION. For cabbage worms, caterpillars, melon lice, scale on plants, etc. Qt. can 40c., gal. \$1.00.

LAWN COMPOUND. (Sterlingworth brand.) Kills weeds but not the grass. Makes lawns green and velvety. It absolutely kills dandelion, plaitain, chickweed, crab grass, and all weeds with hairy surfaces or broad leaves. It is a dry sandy powder to be applied by sprinkling over the grass. It kills these weeds but improves the grass. One pound will dress 100 to 200 square feet, depending on the condition of the lawn. Full directions on each package. 5-lb. can 60c., 10 lbs. \$1.00.

LEMON OIL COMPANY'S STANDARD INSECTICIDE. This has become one of the most popular articles for greenhouse or conservatory spraying. Has a very agreeable odor. Kills thrip, black and green fly, mealy bug, red spider, blight, etc. $\frac{1}{2}$ pt. 25c., pt. 40c., qt. 75c.

LIME SULPHUR SOLUTION. A very efficient insecticide for San Jose scale. Must be applied before the buds break in the Spring or after the foliage has dropped in the Fall. Qt. can 40c., gal. can \$1.00.



NIKOTEEN. A very powerful insecticide, one pint of this liquid representing the efficiency of 200 pounds Tobacco stems. Used extensively by florists for spraying in greenhouses. Also used for vaporizing. Pt. bot. \$1.50.

PARIS GREEN. One of the best exterminators for potato bugs and caterpillars. Can be applied as a powder or diluted in water, which is the most economical way of using. Applied as a powder, mix 1 part of Paris Green to 100 parts of flour. In solution, $\frac{1}{2}$ lb. to 100 or 150 parts of water. 1-lb. pkg. 40c., 5-lb. pkg. \$1.85.

SLUG SHOT. (Hammond's.) The most popular insecticide in this country. Very efficient on potato bugs, rose slugs, caterpillars, beetles, etc. It is non-poisonous to man or beast and safe to use. Ready for applying. Used as a dust, also can be diluted in water as a spray. Has been on the market for 30 years. 1-lb. carton 15c., 5-lb. pkg. 35c., 10 lbs. 60c.

SULPHUR, POWDERED. Very effective against mildew. Lb. 10c., 10 lbs. 60c., 100 lbs. \$5.00.

WEED KILLER. (Sterlingworth brand.) Used extensively on walks, drives, tennis courts, golf links, etc. It is a dry powder to be dissolved in water. When applied to vegetation it completely destroys all kinds of weeds, grass, briars, burdock, dandelions, daisies, thistles, poison ivy, and other objectionable vegetable growths. One application kills roots as well as foliage, preventing further growths. One gallon covers 3 to 4 square yards. Full directions on each package. One pound makes 10 to 15 gallons. Covers 30 to 40 square yards. Lb. 50c., 3 lbs. \$1.25, 5 lbs. \$2.00.

WHALE OIL SOAP AND TOBACCO. (Sterlingworth brand.) This is a cheap and effective remedy for destroying San Jose scale, plant lice, and all suckling insects on plants, vines, etc. Contains all the virtues of Whale Oil Soap in addition to the valuable insecticide properties of Tobacco and Potash, making it doubly valuable. Directions for use on each package. Lb. 15c., 5 lbs. 60c., 10 lbs. \$1.00.



TARGET BRAND SCALE DESTROYER

One of the best sprays for San Jose scale. It is a soluble oil which rapidly forms a solution in water and does not separate itself from the water as most other oils do. It is easily prepared and applied and does its work quickly and effectually. Endorsed and recommended by fruit growers everywhere. Per qt. 35c., $\frac{1}{2}$ gal. 65c., gal. \$1.00, 5 gal. \$3.75.

HIGH GRADE RELIABLE FERTILIZERS

MAPES' MANURES

These manures are the very best on the market. They are in fine condition for use in drills or for hand application; are free from stickiness and dampness. Packed in bags weighing 100 lbs.; every bag plainly branded and has a tag attached containing guaranteed analysis and full directions for use. The basis of Mapes' Manures is bone, no rock used. We do not sell less than 100 lbs. of any brand.

MAPES' TOP DRESSER IMPROVED

For Parks, Lawns, Grass, Golf Links, Meadows, etc.

Especially adapted as a top dresser for lawns, etc., at any stage of growth, can be used on freshly cut lawns at the rate of 400 to 600 lbs. per acre in perfect safety. It is without odor, so can be used near dwellings without offensive smell. It is a complete fertilizer, developing strong, vigorous roots; healthy and hardy growth. It is also good for Potatoes, Cabbage, Tomatoes, Spinach, Asparagus, Strawberry Beds and all small fruits, truck and garden vegetables. Use 100 to 200 lbs. per acre. Never use top dressers on any kind of vegetation until the dew or moisture has evaporated by sun or air. Sown when vegetation is dry they can do no harm, but under moist conditions may "burn" the vegetation. **100 lbs. \$3.00, ton (2000 lbs.) \$53.00.**

Potato Manure. For Irish and Sweet Potatoes, also for Sugar Beets, Asparagus, Early Vegetables, Tomatoes, Fruits, Sorghum, Sweet Corn, etc. **100 lbs. \$2.35, ton (2000 lbs.) \$42.00.**

Fruit and Vine Manure. The best for all vines and small fruits. For insuring fruiting power, particularly in quality of fruit in vineyards, Pears, Apples, Plums, Strawberries is slow in effects. **100 lbs. \$2.45, ton (2000 lbs.) \$43.00.**

Vegetable Manure, or Complete Manure. (For light soils.) This is a special manure on all kinds of soil for truck, early vegetables, Onions, Celery, Tomatoes, also on light soils for Oats, Hops and Barley. **100 lbs. \$2.60, ton (2000 lbs.) \$45.00.**

Complete Manure. (For heavy soils.) A desirable manure for general use in heavy soils. Good for all kinds of vegetables, fruits and grains. Fine for early Turnips. May be used for Oats, Hops, Barley, also as a top dressing for grass, and as a forcing manure for all vegetables and fruits at all times. **100 lbs. \$2.45, ton (2000 lbs.) \$43.00.**

Complete Manure. (For average soils.) A substitute for stable manure. For Onions, Tomatoes, vegetables of all kinds, Irish and Sweet Potatoes, fruits and Cranberries. Special for Tobacco on heavy soils. **100 lbs. \$2.25, ton (2000 lbs.) \$39.00.**

Complete Manure for General Use. For use on all crops and all soils with or without stable manure. Use broadcast; if in hills, use sparingly. Special for Oats, Hungarian Grass, Vegetables, Melons, Tomatoes and seeding with or without grain. **100 lbs. \$2.30, ton (2000 lbs.) \$40.00.**

Corn Manure. The best for Sweet and Field Corn, Grass, Turnips, Cabbage, etc. **100 lbs. \$2.20, ton (2000 lbs.) \$38.00.**

Grass and Grain Top Dressing. Very desirable for top dressing all kinds of grains and grasses. **100 lbs. \$2.50, ton (2000 lbs.) \$44.00.**

Cauliflower and Cabbage Manure. The best for these vegetables. **100 lbs. \$2.35, ton (2000 lbs.) \$41.00.**

Cereal Brand. A favorite brand for general farm crops, such as Corn, Oats, Wheat, Rye, etc. **100 lbs. \$1.75, ton (2000 lbs.) \$32.00.**

Dissolved Bone. Pure bone treated with sufficient sulphuric acid to make it more immediately available than our Pure Bone Meal. Recommended for use where quick action is desired. **100 lbs. \$2.00, ton (2000 lbs.) \$35.00.**

LISTER'S FERTILIZERS

These well known brands need little description as they are favorably known all over the country. The following list of brands are among the best of their kind. Made from high class materials only. Sold in bags 200 lbs. each. Can be supplied in 100 lb. sacks at a small additional cost. Analysis on every sack.

Lister's Vegetable Compound. For vegetables of all kinds. A reliable fertilizer for truck gardeners who make a specialty of garden vegetables. **Sack of 200 lbs. \$5.00, ton \$42.00.**

Lister's Potato Manure. A high class fertilizer for potato culture. By the use of this brand your crops will be increased considerably. **Sack 200 lbs. \$5.00, ton \$42.00.**

Lister's Corn Manure. This brand is exceptional. Will make your ground produce "bumper" crops. A trial of this brand will convince the most skeptical farmer. **Sack 200 lbs. \$5.00, ton \$42.00.**

Lister's Special Corn Fertilizer. This brand is less expensive than the Corn Manure. However, it is first-class in every respect. A very good product for the money. **Sack 200 lbs. \$4.00, ton \$31.00.**

Lister's Cabbage and Cauliflower Manure. This brand will supply those essentials which greatly benefit the production of Cabbage and Cauliflower crops. We can recommend this as an exceptional fertilizer for this purpose. **Sack 200 lbs. \$5.00, ton \$42.00.**

Lister's Fruit and Vine Manure. A high class fertilizer for invigorating fruit trees and vineyard culture. Will help to increase the yield, as well as the quality. **Sack of 200 lbs. \$4.50, ton \$34.00.**

Lister's Celebrated Ground Bone. One of the finest fertilizers for Rose culture. Used largely by florists, nurserymen, etc. Also valuable for lawns. **Sack of 200 lbs. \$4.00, ton, \$33.00.**

Lister's Lawn Fertilizer. This brand is especially compounded for lawns which are run down. Will invigorate and tone them up in short order. Will develop strong vigorous roots. **Sack of 200 lbs. \$4.50, ton \$35.00.**

Lister's Asparagus Manure. Will produce larger and better crops of this delicious vegetable. Extensively used in Asparagus growing sections. **Sack of 200 lbs. \$5.50, ton \$47.00.**

Lister's 7 Per Cent. Guano Fertilizer. A high class fertilizer for truck gardeners. Customers who have used this brand claim almost magical results from the use of it. For general vegetable growing. High class in every respect. **Sack of 200 lbs. \$5.50, ton \$47.00.**

Lister's "Special" for Tomatoes. By the use of this brand your crops will be larger and better in every respect. Appearance of fruit will be enhanced, vines more vigorous and heavier cropping. **Sack 200 lbs. \$4.00, ton \$30.00.**

Lister's "Special" for Potatoes. This brand is very popular as the results obtained from the use of it have been very gratifying to the farmers who wanted a first class fertilizer for Potato culture. **Sack of 200 lbs. \$5.00, ton \$40.**

Lister's "Standard" Fertilizer. For general purposes this is one of the best fertilizers on the market and it is well recommended by farmers and truck gardeners all over the country. **Sack of 200 lbs. \$4.00, ton \$35.00.**

HIGH GRADE FERTILIZERS—Continued**NOLL'S PERFECTION LAWN DRESSING**

(Odorless)

We have been selling this lawn dressing for a number of years and have yet to receive the first complaint about it not being what we claim for it. It has given continuous satisfaction ever since and we are absolutely positive it will continue to do so. It is far ahead of horse manure, bone meal, etc. By using this lawn dressing you eliminate the possibilities of having your lawn full of weeds, the seeds of which are numerous in horse manure. It is a great deal quicker in action than Bone Meal, having supplied strength and durability to the old roots long before the hot weather sets in. For best results it should be applied during the Spring and Fall months. The Spring application will help the grass recover its strength, which our Winters impair to a certain extent, while the Fall application will give it, after the hot weather spell, renewed strength to withstand the ravages of Winter. It is without odor, clean to handle and easily applied. We furnish it in the following quantities and at the following prices: **5 lbs. 25c., 10 lbs. 40c., 25 lbs. 85c., 50 lbs. \$1.50, 100 lbs. \$2.50, 500 lbs. \$11.25, ton (2000 lbs.) \$40.00.**

Apply at the rate of 100 lbs. to 4000 square feet, broadcast.

NOLL'S COMPLETE GARDEN FERTILIZER

This brand is especially compounded for general use, such as garden vegetables, fruit trees, fruit vines, Potatoes, etc. For general purposes it is unsurpassed. Will help your ground yield larger and better crops. Comes in dry powder form. Easily applied. Apply at the rate of 100 lbs. to 4000 square feet, broadcast. **5 lbs. 25c., 10 lbs. 40c., 25 lbs. 85c., 50 lbs. \$1.50, 100 lbs. \$2.50, 500 lbs. \$11.50, ton (2000 lbs.) \$45.00.**

BONE MEAL (Pure Ground)

One of the most desirable fertilizers produced for flowering plants, shrubbery, Palms, Ferns, etc. While not so quick in action as some fertilizers it is very lasting, being very beneficial. Bone Meal contains the essential requisites of nitrogen, as well as phosphoric acid, which are absolutely necessary in the soil for the high developing of plant life. Can be used for both outdoor plants and pot plants. When applying mix thoroughly with the soil. Never let the bone meal come in contact with the roots of the plant. For pot plants use about a tablespoonful to a 6 inch pot of soil, smaller or larger sizes in proportion. Price, **5-lb. pkg. 25c., 10 lbs. 45c., 25 lbs. 85c., 50 lbs. \$1.50, 100 lbs. \$2.75, ton (2000 lbs.) \$42.00.**

NITRATE OF SODA

This is a very beneficial article for promoting quick growth; will hasten the maturity of crops from one to two weeks. This is a very good fertilizer but must be used judiciously. Do not apply until the plants are above the ground. To apply make a trench about 4 in. deep and about the same distance from the plants or row and spread along in the trench. Use about 100 lbs. to the acre. The price of this article is subject to change. Sold in **5-lb. pkgs. 30c., 10 lbs. 50c., 25 lbs. \$1.00, 100 lbs. \$3.50, 200 lbs. \$6.50, ton (2000 lbs.) \$60.00.**

SHEEP MANURE

This has become a very popular article for fertilizing purposes. Fine for house plants, also outdoor plants. Acts quickly, makes plants vigorous and blooms richer in color. Can be applied by diluting in water or mixed with soil. The article we offer is as free from inert matter as is possible. **5 lbs. 25c., 10 lbs. 40c., 25 lbs. 90c., 50 lbs. \$1.50, 100 lbs. \$2.50, 500 lbs. \$11.25, ton (2000 lbs.) \$40.00.**

CANADA UNLEACHED HARD-WOOD ASHES

Used as a top dressing for lawns and grass lands, also for fruits of all kinds. It is especially good for Strawberries, Peaches, Apples, etc. Can be mixed with even quantities of bone meal for fertilizing grass plots, etc. Apply about 1000 lbs. to the acre. **5 lbs. 25c., 10 lbs. 35c., 25 lbs. 60c., 50 lbs. \$1.00, 100 lbs. \$1.75, 500 lbs. \$7.50, ton (2000 lbs.) \$24.00.**

Trade STERLINGWORTH Mark**CONCENTRATED PLANT FOOD TABLETS***An odorless food for potted plants*

Makes plants grow and bloom luxuriantly and drives troublesome insects from the soil. Takes the place of liquid manure. Explicit directions on each package.

10c. package contains 30 tablets**25c. package contains 100 tablets****50c. package contains 250 tablets***Any of the above sent postpaid upon receipt of price***THE EXCELSIOR PLANT FOOD**

Is the most concentrated, the quickest acting and the only complete and evenly balanced odorless fertilizer in existence. Cheap fertilizers are a poor investment as their percentage of available plant food is small and of uncertain action and are, for the most part, the by-product of the packing houses. They are imperfectly balanced, thereby causing irregular and imperfect growth. The United States Department of Agriculture advises the use of concentrated fertilizers, such as Excelsior Plant Food rather than cheap fertilizers of uncertain origin.

Excelsior Plant Food contains the three elements essential to plant life, nitrogen, phosphoric acid and potash in just the right proportion to enable each element to perform its proper function. Their uniform action seems to energize the capacity of plant or tree for developing growth, seed, fruit and flowers. Price, **½-lb. pkg., making 10 gals., postpaid, 30c.; 1-lb pkg., making 20 gals., postpaid, 50c.**

STURTEVANT'S TOBACCO AND SULPHUR INSECTICIDE AND FERTILIZER

It will destroy rose bugs, lice, cut worms, vine bugs, Tomato, Currant and Cabbage worms and parasites of all descriptions. Apply when the foliage is wet. When used as a fertilizer it promotes vigorous growth, making dark green foliage. **Pkg. 25c. and 50c.**

IRON AGE

FARM AND GARDEN IMPLEMENTS

No. 6 Combined Double and Single Wheel Hoe Hill and Drill Seeder

No. 6
Combined
Price,
\$12.00.
Drill
only
\$9.00

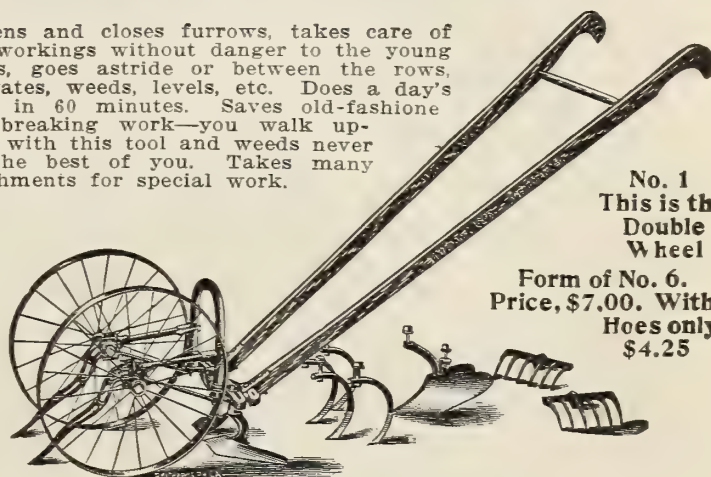
Sows seed in continuous rows or drops in hills at 4, 6, 8, 12 or 24 inches apart. Lever makes quick change. Opens its own furrow, covers it and packs the soil. Has accurate feed, without injury to the seed. Latter is dropped in plain sight—no guess work. The high wheel runs easy. The Wheel Hoe form of this tool is No. 1, shown opposite.



No. 1 Double and Single Wheel Hoe

Opens and closes furrows, takes care of first workings without danger to the young plants, goes astride or between the rows, cultivates, weeds, levels, etc. Does a day's work in 60 minutes. Saves old-fashioned back-breaking work—you walk upright with this tool and weeds never get the best of you. Takes many attachments for special work.

No. 1
This is the
Double
Wheel
Form of No. 6.
Price, \$7.00. With
Hoes only
\$4.25



The No. 9 "Iron Age" Single Wheel Hoe Cultivator, Plow and Rake

Price complete, \$5.25
Price No. 10 Plain (Hoes only), \$3.25

For the small kitchen garden we consider the single hoe as being preferable. With the single wheel tool spaces of exceedingly narrow width can be worked, even using but one cultivator tooth. With the large plow attachment deep furrows can be opened or closed; potatoes, celery and other crops hilled.

Price complete, \$5.25
Price No. 10 Plain
With Hoes only, \$3.25

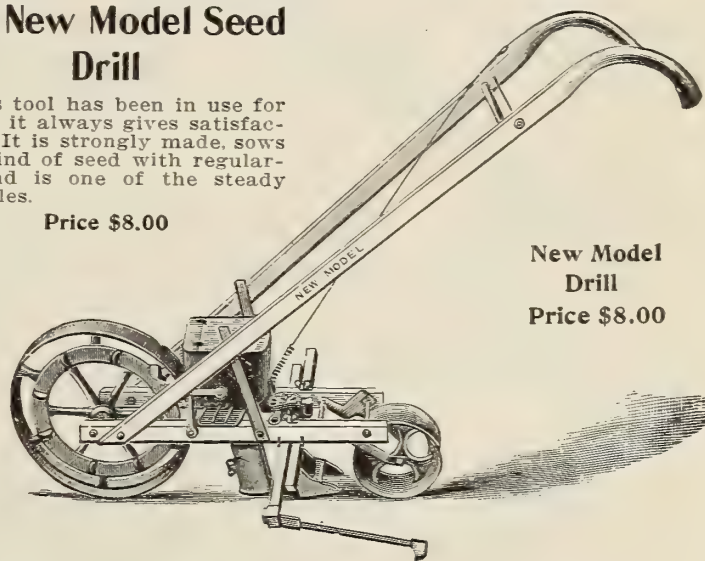


The New Model Seed Drill

This tool has been in use for years; it always gives satisfaction. It is strongly made, sows any kind of seed with regularity and is one of the steady reliables.

Price \$8.00

New Model
Drill
Price \$8.00



No. 1 "Iron Age" Combined Harrow and Cultivator

Price as in cut, \$5.25
Price, Plain Harrow (Without
Lever or Wheel), \$4.00

Its teeth are diamond shape, with a small cultivator tooth forged on one end. For very

Price No. 1
\$5.25
Plain Harrow,
Without Lever
or Wheel
\$4.00



close work every other tooth can be quickly removed. This tool is designed especially for the cultivation of berries and small crops, as it thoroughly pulverizes the soil, but at the same time throws very little earth.

No. 6 "Iron Age" Horse Hoe and Cultivator

Price as in cut, \$6.50
With Plain Wheel and Without
Lever Expander, Price \$5.25

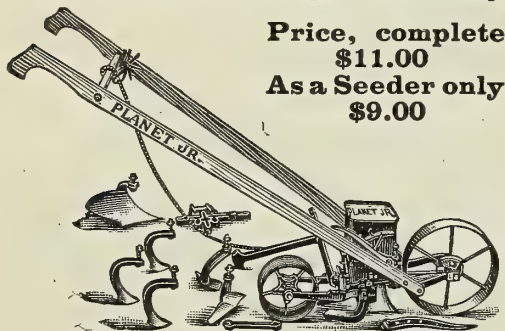
This is truly a 20th century tool. It is a popular implement wherever the sun shines and the crops grow. Its great adjustability adapts it for numberless uses and conditions.

No. 6 Iron Age
\$6.50
With Wheel,
Without Lever
Expander
\$5.25



"PLANET JR." FARM AND GARDEN TOOLS

The New "Planet Jr." Catalogue. Full of little points that bring profit. Full of true and handsome illustrations. We mail it free to any address on application.



Price, complete
\$11.00
As a Seeder only
\$9.00

"PLANET JR." NO. 4 COMBINED SEED DRILL, SINGLE WHEEL HOE, CULTIVATOR AND PLOW

Combines in a single convenient implement a hill-dropping seeder, a perfect drill seeder, a single wheel hoe, a cultivator, and a plow. It holds two quarts and as a seeder sows in continuous rows or drops in hills at five different distances. It is thrown out of gear by simply raising the handles. The index is accurate, simple and easily set. The drill is detached and the tool frame substituted by removing but one bolt. It then becomes a single wheel hoe, garden-plow or cultivator.

"PLANET JR." NO. 25 COMBINED HILL AND DRILL SEEDER, DOUBLE WHEEL HOE, CULTIVATOR AND PLOW

It is large enough for field use, for it holds $2\frac{1}{2}$ quarts. As a drill it is almost identical with the No. 4 Drill; will sow in drills or hills, 4, 6, 8, 12 or 24 inches apart and has the same automatic device for throwing out of gear and the new combined cut-off and seed index with thumb screw adjustment. Accurate in sowing all kinds of garden seed in either hills or drills. As a Wheel Hoe it is identical with the No. 12 Double Wheel Hoe. The change from drill to wheel hoe takes but a moment.



Price, complete,
\$13.50



Price, complete,
\$5.85

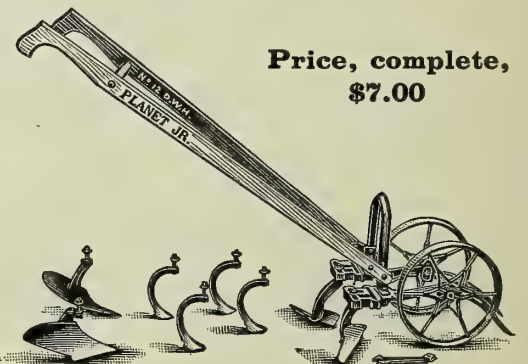
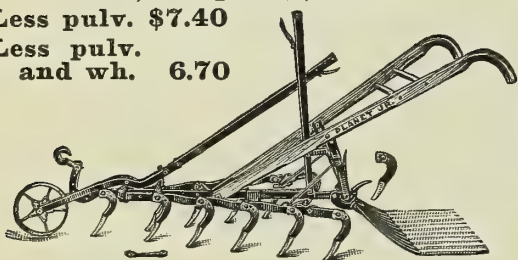
"PLANET JR." NO. 16 SINGLE WHEEL HOE, CULTIVATOR, RAKE AND PLOW

This single wheel hoe has a very full set of tools. It has 11-inch wheel, with broad face; is very light, strong and easy running. It has adjustable handles and quick-change frame. The tools are a well-shaped plow for marking out, plowing, covering, and late cultivation; a pair of 6-inch shield hoes and three all steel patent cultivator teeth; also a set of two rakes. A practical leaf-guard holds up the plants, while thorough work is being done underneath; the frame changes in height, and the wheel may be attached to the other side of the frame, when both sides of the row may be hoed at one passage.

"PLANET JR." NO. 12 DOUBLE WHEEL HOE, CULTIVATOR AND PLOW

Changes and adjustments of the tools are made with the greatest quickness. It has 11-inch wheels, which can be set at four different distances apart; the frame is malleable, with ample room for tool adjustment and can be set three different heights. The handles are adjustable, and, being attached to the arch, are undisturbed in making changes of adjustment in frame, wheels or tools. The quick change frame permits the tools to be changed without removing the nuts. All the blades are of tempered and polished steel.

Price, complete, \$9.00
Less pulv. \$7.40
Less pulv.
and wh. 6.70



Price, complete,
\$7.00

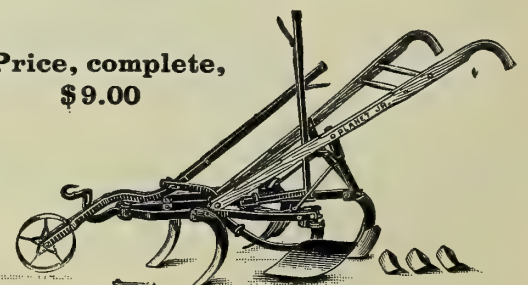
"PLANET JR." TWELVE-TOOTH HARROW, CULTIVATOR AND PULVERIZER

A high frame and chisel-shape teeth. The Foot Lever Pulverizer is a capital addition for preparing ground for the seed drill or for plant setting. Hand levers regulate both width and depth *while in motion*; it contracts to 12 inches, and expands to 32 inches. It cultivates deep without throwing earth upon the plants, and the smooth, round-throated teeth turn strawberry runners without injuring them. Strawberry Runner Cutter Attachment consisting of a 10-inch flat steel disc mounted on an outrigger, extra.

"PLANET JR." NO. 8 HORSE HOE AND CULTIVATOR

It is so strongly built as to withstand incredible strain, yet it is light and easy to handle. The frame is extra long and extra high, making a tool that will not clog easily. The Stiff Steel Standards are hollow with round throats; they polish quickly and free themselves readily from obstructions, and they clasp the frame and strengthen it. The depth is under perfect control by a new lever wheel and patent depth regulator, moved instantly in unison by a single lever, making exact work, steadying the machine and relieving the operator. Without Depth Regulator, order as No. 7. Price, \$8.50.

Price, complete,
\$9.00



SOUTH BEND CHILLED PLOWS

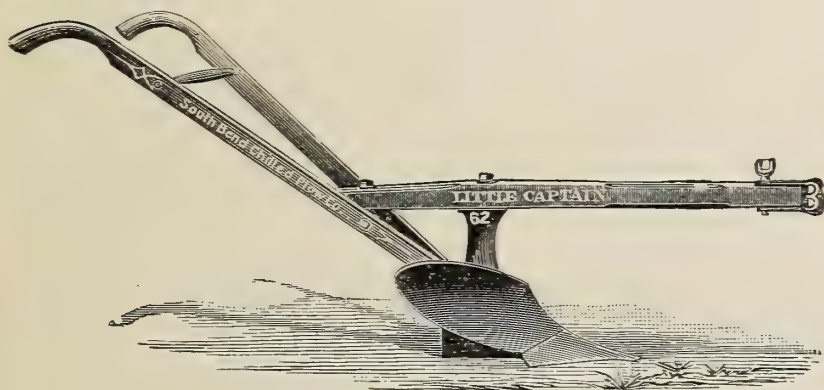
Why You Should Buy the Original and Genuine South Bend Plow

They are standard throughout the world. They are used in every country where civilization and progress rule the agricultural community. The chilled metal of which all wearing parts are constructed is superior to any metal heretofore produced by any Plow manufacturer. By their process they entirely transform the structure of the iron, making it in texture as close grained as the finest steel, upsetting the grain, throwing it endwise through the moldboard, landside or share, making the wear come as it would across the end of a plank instead of lengthwise of the grain.

The chill or transformation reaches approximately two-thirds the way through the board gradually merging itself with the tough iron on the back, giving the whole strength and resistance to strains and sudden excessive jars. The chilled metal has a highly polished surface, which can only be improved by the land polish. The moldboards are warranted not to contain any soft spots and will not corrode. These plows are perfectly balanced and are easily controlled by the operator.

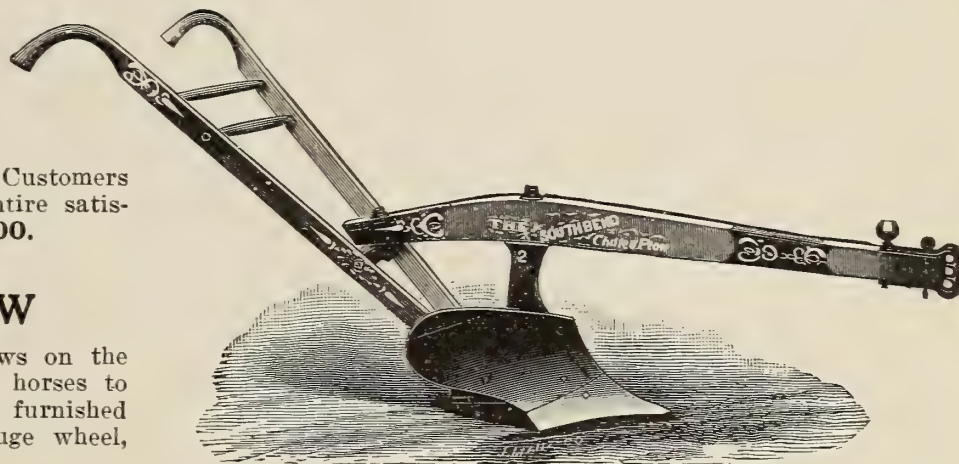
"LITTLE CAPTAIN" PLOW NO. 62

No. 62 is one of the finest plows of its capacity on the market today. The moldboard, landside and share are removable, being separate from the standard. It is constructed much like all the South Bend Chilled Plows. This plow is sold at a very reasonable price and we are sure you cannot buy any other plow of its size that will give you the satisfaction that this will. Has a furrow capacity of 4x7 inches. Is made in right hand and wood beam only. Plow complete (as per cut). Price, \$3.50.



NO. 1-B, ONE-HORSE PLOW

This is larger than the No. 62 and is one of the most desirable one-horse plows on the market. For garden work it cannot be surpassed. Has a furrow capacity of 5½x9 inches. Price, including clevis, wrench and extra share, \$5.50.

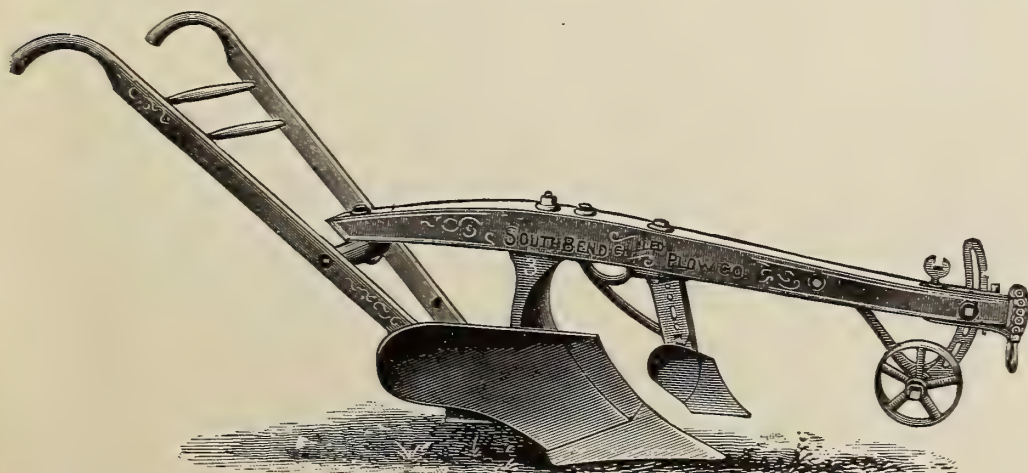


NO. 2 SOUTH BEND PLOW

This plow is designed for one heavy horse or two light horses. This plow is in big demand all over the country, being used in nurseries, gardens, etc. Has a furrow capacity of 6x10 inches. Can be fitted with jointer and level wheel if desired. Customers who require a plow of this capacity will derive entire satisfaction with this number. Price (as per cut), \$8.00.

NO. 3-F, SOUTH BEND PLOW

This is one of the most desirable two-horse plows on the market. Strongly built, yet light enough for two horses to draw easily. Furrow capacity 6½x12 inches. Also furnished with steel beam. Price, including jointer and gauge wheel, wood beam, \$13.50; steel beam, \$14.25.



NO. 4-F, SOUTH BEND PLOW

This is similar to the No. 3-F but somewhat heavier. This will fill the requirements for a heavy two-horse plow or a light three-horse plow. Furrow capacity 7x13 inches. Price, including jointer and gauge wheel, wood beam, \$13.50; steel beam, \$14.75.

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For the Hardy Home Garden

Noll's Hardy Perennial Plants

Many people prefer to ornament their grounds with plants that are perfectly hardy and that do not have to be taken up in winter and replanted the next year. The list of *Old-Fashioned Hardy Flowers* given below, will afford more pleasure with less care than any other flowers you can plant. Once planted they will thrive with very little attention and will give a succession of beautiful, many-colored flowers from early Spring until late Fall.

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CARNATION. Masses of bloom during May and June; splendid for cutting. Strong plants, 10c each, \$1.00 dozen.

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HOLLYHOCKS. Very showy and popular for planting in back of border beds, along fences, buildings, etc. Mixed colors. Strong roots, 15c each; \$1.50 dozen.

LILY OF THE VALLEY. Small bell-shaped flowers, delightfully fragrant. Very pretty for massing in borders. Strong clumps, 25c each; \$2.50 dozen.

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IRON AGE

Bucket Pump Sprayer



No.
192

For home trees, bushes, vines, etc. and for whitewashing buildings, cold water painting, washing windows and wagons, and many similar jobs.

100 pounds pressure is easily maintained when spraying—downward stroke of the lever brings the spray.

Can be used in any kind of solution, hot or cold—the only parts that come in contact with the solution are brass and cannot be corroded.

Candle wick packing is used—it is easily and cheaply replaced, when necessary, without removing plunger or any other part.

Bronze ball valves. These can be removed in one minute, without taking the pump apart.

No friction in this pump—plenty of clearance around the plunger and no internal packing on plunger.

Improved Vermorel nozzle is furnished—also, an extra cap for washing wagons, windows, etc.

Furnished as in Fig. 402, to attach to any bucket, or as in Fig. 437 with special bucket attached so that you can carry it.

special bucket attached so that you can carry it.



IRON AGE

Vertical Barrel Pump



No.
195

For the small orchard and for the garden.

Fits any barrel and goes entirely outside of it—is fastened to the side and not to the head which is the weakest part of the barrel, can be used in a bucket if necessary.

Sold with or without the barrel and can be moved readily to any point. Is used on the ground or from the end of a wagon or cart.

Being

an outside pump, it is easily got at for repairs and more pleasant to handle. Bronze

ball valves.

Hemp packing

with lead core. No leather. Is easily replaced.

Any kind of solutions, hot or cold, can be handled and they are kept thoroughly stirred by automatic dasher.

Equipped with one or two leads of hose, and with steel or bamboo rods when so ordered.

No.
194

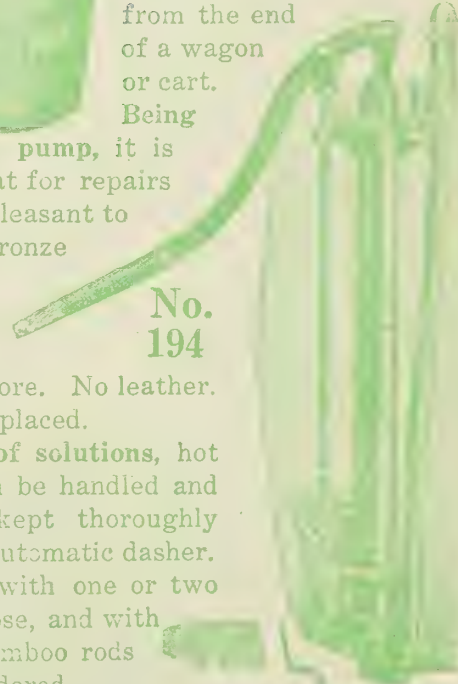


Fig. 434

Prices quoted on application.

IRON AGE

Vertical Barrel Pump

No. 191 is built on similar lines to No. 194—in fact, was the first one of the two, the pattern, but it has more power and is well worth the difference in price to the man that needs it. It should be noted that while No. 194 will take care of two nozzles at a high pressure No. 191 will give all the pressure you need for four nozzles. This is important when necessary and worth careful consideration before you purchase.

Equipment. You can have it as shown, with or without barrel, with one or two leads of hose, with steel or bamboo rods, if ordered. Also, with four-row field attachment shown on the back.

Fig. 401

No. 191

Prices quoted on application

IRON AGE

Horizontal Barrel Sprayer

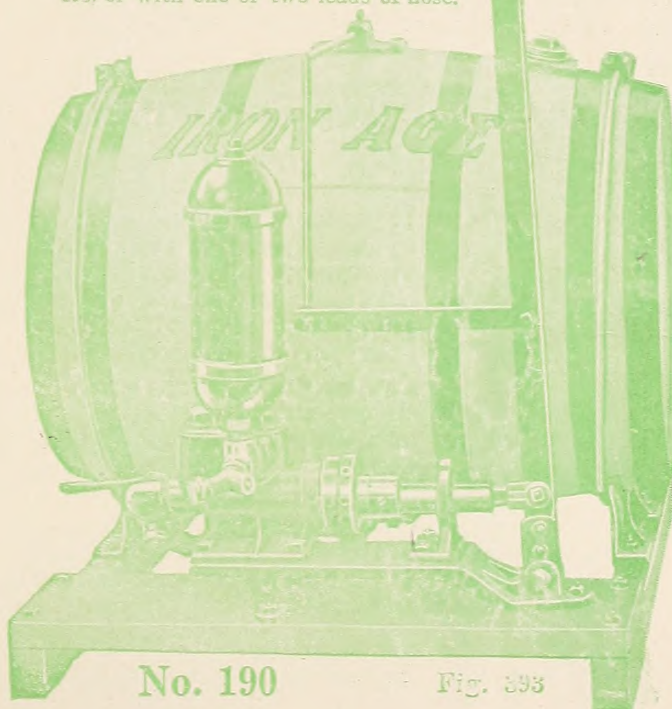
This rig is sold complete, mounted on a skid and shipped so that all you have to do, is to attach lever—then it is ready for business wherever you need it.

A safe machine on hillsides where many orchards are set—in some sections nearly all of the land is hilly or rolling, orchardists need a sprayer that will stay right side up.

Pump entirely outside. What would you think of anyone who would put a piece of machinery into the solution where it is bound to rust and be slimy to handle? On No. 190, the opposite is true—every part easy to get at, decent to handle, solution touches brass parts only.

Handles any kind of solution, hot or cold, at 100 to 125 pounds pressure. Barrel holds 50 gallons and solution is kept mixed by an automatic dasher. Hemp packing and bronze ball valves. Equipment. Furnished plain as in Fig. 393, or with one or two leads of hose.

Shipped ready for use on any Wagon, Cart, Sled, etc.



No. 190

Fig. 393

IRON AGE Horizontal Barrel Wagon Sprayer

For the man with a few acres of potatoes, or other row crops, a small orchard, or a garden—a moderate priced but complete outfit. The shaded parts in Fig. 421, show what the four row attachment, which

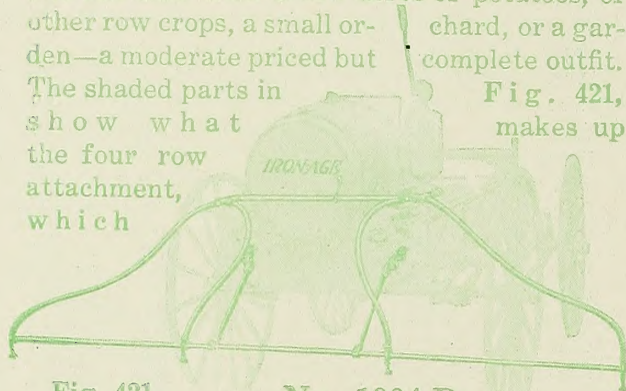


Fig. 421

No. 1904 D

added to No. 190 with double acting pump, makes No. 1904-D. Is adjustable for height of spray bar and for various width rows.

Double Acting Spray Pump No. 193

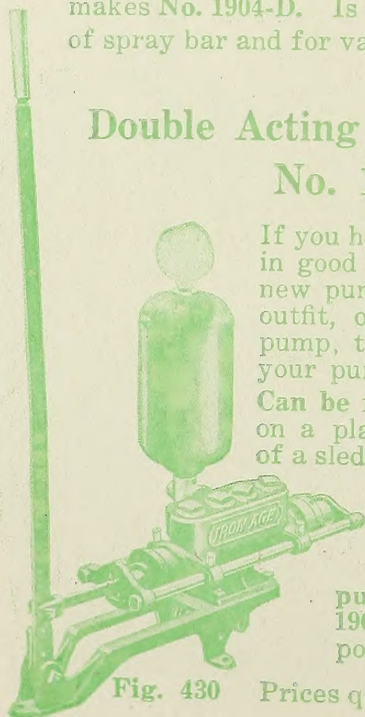


Fig. 430

If you have a barrel or tank in good condition and need a new pump to complete your outfit, or to replace an old pump, this one will answer your purpose exactly.

Can be fastened anywhere—on a plank, skid, or bottom of a sled, or on a tank wagon, and moved wherever you wish.

Is a powerful pump, same as on No. 1904 D—pressure, 150 pounds or more.

Prices quoted on application.

IRON AGE Vertical Barrel Sprayer and Truck

No. 191 T



Fig. 423

A big advantage in this combination is that it can be moved readily, without much effort on your part, and without waste. The barrel is fitted with trunnions, and brackets on the truck catch these trunnions so that the truck lifts the load with long leverage on the handles.

The Truck in Fig. 423, has 2½ inch steel wheels but any IRON AGE trucks can be used with slight change in price. This outfit can be furnished with one or two leads of hose if wanted.

Vertical Barrel Wagon Sprayer

Similar to the outfit shown at top of preceding page, except it has vertical pump. It is adjustable in the same way and sold either as a complete outfit or as an attachment only.



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BEET—DETROIT DARK RED

Valuable for its remarkable uniformity and smoothness; size medium; flesh fine grained and tender. Can be used for Summer or Fall.

CARROT—NANTES HALF-LONG

A very fine variety for the home garden. Grows a small top. Root is stump-rooted. Color a deep orange.

CELERY—FRENCH GOLDEN SELF-BLANCHING

The most desirable variety for the garden. Bleaches to a golden yellow color. Quality is unsurpassed.

CUCUMBER—DAVIS' PERFECT

One of the finest types originated. Grows long, dark green fruit of delicious quality. For slicing they are unsurpassed.

LETTUCE—BIG BOSTON

Produces large buttery heads, fine and solid. Heads with certainty, almost every plant producing a head.

ONION—PRIZETAKER

For home use this is unsurpassed. Grows very large bulbs of a fine straw color. Very early and mild.

RADISH—SCARLET TURNIP, WHITE TIPPED

Produces small red Radishes with white tips or bottoms. Quality fine, solid and crisp.

TOMATO—SUTTON'S GOLD MINE

This variety is a general purpose Tomato. Produces large solid fruits of a fine purplish pink color. Very meaty and luscious.

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OR 3 COLLECTIONS OF 24 PACKETS FOR \$1.00, POSTPAID**

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—————(SEE PAGE 51)—————

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